

BEAUTY CARE

# Ingredient Book 2024



**SEPPIC**  
SCIENCE THAT CARES

# Content

## ACTIVE BEAUTY

### Active Ingredients p.03

- p.04 Anti-aging
- p.09 Daily defense
- p.13 Skin complexion
- p.16 Skin balance
- p.20 Moisturization
- p.22 Skin relief
- p.25 Body specifics
- p.27 Marine extracts & scrub
- p.28 Hair & scalp care

## SENSORIAL BEAUTY

### Rheology Modifiers p.33

- p.34 Natural origin polymers
- p.35 Hybrid polymers
- p.36 Classic polymers

### Emulsifiers p.41

- p.42 Natural O/W emulsifiers
- p.44 Natural W/O emulsifiers
- p.45 Classical W/O & O/W emulsifiers

### Sensory Ingredients p.47

- p.48 Liquid emollients
- p.50 Waxes
- p.51 Powders

### Functional Additives p.53

- p.54 Foaming & solubilizing agents
- p.57 Preservatives & boosters

## TABLES

- p.58 Abbreviation list / p.59 A-Z Index / p.64 Legend



## Seppic eco-designs #BeautyTomorrow

By your side throughout the world, Seppic imagines and develops ingredients for Active Beauty (proven benefits & attractive concepts) and for Sensorial Beauty (unique performance & creative textures), committed to a sustainable future.





# ACTIVE INGREDIENTS

## Active science to empower beauty

With respect & great appetite for discovery, we relentlessly search and learn from botanicals, marine life & plant chemistry. This way, we open every new horizon for performing actives & vibrant stories.

- p.04 **Anti-aging**  
Firmness & wrinkles / Plumping / Skin Remodeling / Energizing
- p.09 **Daily defense**  
Anti-oxidant / Detoxifying & anti-pollution / Photo-aging, blue light & IR protection
- p.13 **Skin complexion**  
Lightening / Radiance / Healthy skin / Tanning / Dark circles
- p.16 **Skin balance**  
Purifying / Deodorant / Oil control / Acne prone skin & Maskne / Skin & microbiota homeostasis / Pore minimizer
- p.20 **Moisturization**  
Hydration / Skin barrier
- p.22 **Skin relief**  
Skin repair & integrity / Soothing: redness & reactivity / Mood enhancer
- p.25 **Body specifics**  
Firming & stretchmark control / Plumping / Slimming
- p.27 **Marine extracts & scrub**  
Brown seaweed / Blue seaweed / Marine plant  
Marine scrub
- p.28 **Hair & scalp care**  
Hair fiber / Scalp care

A-Z INDEX, p.59



# Anti-aging

## FIRMNESS & WRINKLES

### Ambiaty Extract

Aqua/Water, Glycerin,  
Vernonia Appendiculata Leaf Extract



#### Anti-aging care sourced from a malagasy endemic plant

##### Mode of action

- DEJ structuration: Collagen IV (*ex-vivo*: +24%), anchoring systems activation (Cytokeratin 14, Nidogen, Laminin-5, Integrin)
- Dermis activation: GAGs: +91.6% *ex-vivo*
- Dermis protection: MMP1 (-22%), ROS protection (+92%)
- Reduction of glycation (-37%)

##### Nature

Titrated leaf extract of Ambiaty

Form: liquid  
Use level: 0.5 to 1%  
Preservative free

### Ambre Oceane™ 2C

Aqua/Water, Pelvetia Canaliculata Extract



#### Mature skin expert

##### Benefits on volunteers

- Total surface area of wrinkles: -16%
- Number of wrinkles: -15%
- Average depth wrinkles: -5%

##### Mode of action

- Anti-MMP3: -32%

##### Nature

Sea amber

Solubility: water soluble  
Form: liquid  
Use level: 1%

### Antileukine 6™

Caprylic/Capric Triglyceride,  
Laminaria Ochroleuca Extract



#### Global anti-aging & defense shield

##### Benefits on volunteers

- Wrinkle depth: -9% after 2 months
- Firmness: self evaluation
- *In vivo*: rapid soothing effect after 24h

##### Mode of action

- Collagen: +30%
- GAG: +30%

##### Nature

Golden seaweed

Solubility: liposoluble  
Form: liquid  
Use level: 2%  
Preservative free

### Aspar'Age™

Aqua/Water, Propanediol\*,  
Asparagopsis Armata Extract



\*Plant-based & Renewable

#### A new healthy aging approach

##### Benefits on volunteers

- -13% of wrinkles volume at D28, vs D0
- Skin is perceived younger by people

##### Mode of action

- Regulating contagious aging

##### Nature

An extract of *Asparagopsis armata*, a seaweed that contains Mycosporine-like amino acids (MAA)

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Bioplasma™ FA

Aqua/Water, Butylene Glycol\*,  
Plankton Extract\*\*, Arginine Ferulate



\*Plant-based & Renewable / \*\*Plankton Origin: (species) *Scenedesmus Obliquus*

#### Combine desert & ocean strengths

##### Benefits on volunteers

- -15% wrinkles depth at D28, vs D0

##### Nature

Desert microalgae

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Celtosome™ Crithmum Maritimum

Crithmum Maritimum Callus Culture Filtrate



#### Rejuvenation from biotechnologies

##### Benefits on volunteers

- Clinical signs improved: +39% for wrinkles signs, +41% for tonicity vs T0 (10 months treatment) - specifically for concerned women
- Better hydration after 2 hours vs placebo

##### Mode of action

- Collagen synthesis

##### Nature

Plant cells from sea fennel

Solubility: dispersible  
Form: powder  
Use level: 0.1 to 0.2%  
Preservative free

### Celtosome™ Eryngium Maritimum

Eryngium Maritimum Callus Culture Filtrate



#### Full skin renewal from biotechnologies

##### Benefits on volunteers

- +27% firmness by self evaluation

##### Mode of action

- Better structure of dermo-epidermic junction, dermis & epidermis: +15% collagen, +16% GAG
- Cell proliferation in epidermis: +19% mitotic index

##### Nature

Plant cells from sea holly

Solubility: dispersible  
Form: powder  
Use level: 0.05%  
Preservative free

### Ephemer™

Caprylic/Capric Triglyceride,  
Undaria Pinnatifida Extract



#### Ephemeral algae cells for anti-aging

##### Benefits on volunteers

- Reinforces the anti-oxidant capacity of the skin vs placebo

##### Mode of action

- Mitochondrial DNA protection: +63% aconitase
- Protects cells from free radicals: +19% catalase

##### Nature

Ephemeral cells in the lifecycle of macroalgae

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Heterosides

Centella Asiatica Leaf Extract



#### Reinforces mature skin with multi-target approach

##### Benefits on volunteers

- Anti-wrinkle effect: -19% vs placebo (D56)
- TEWL reduction: -8% vs placebo (D28)
- Smoothing effect: -36% vs placebo (D28)

##### Mode of action

- Reinforces the "mortar" (Ceramide-2: +44%)
- Strengthen the "brick" envelop (Involucrin, Loricrin, Filaggrin)
- Boost cell cohesion (tight junctions)
- Moisturizes (AQP3: +29%) & soothes (PGE-2, IL-8, IL-1α)

##### Nature

Highly pure heterosides from *Centella*

Solubility: water soluble  
Form: powder  
Use level: 0.2%  
Preservative free

### Juvenessence™

Caprylic/Capric Triglyceride,  
Alaria Esculenta Extract



#### Reverse aging effect

##### Benefits on volunteers

- After 1 month cutometer:
- Elasticity: +20%
- Firmness: +25%
- Self evaluation: improves firmness: 90%
- Decreases the depth of wrinkles: 80% of volunteers

##### Mode of action

- Downregulates progerin for mature skin: -79%

##### Nature

The Arctic winged kelp

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free



## FIRMNESS &amp; WRINKLES

## Sagacious™

Propanediol, Himantalia Elongata Extract



## The biomimetic anti-sagging ingredient

## Benefits on volunteers

- Skin is more than 8 times firmer (vs placebo)
- The visibility of nasogenian folds decreases significantly vs placebo

## Mode of action

- Restoration of mechanical properties of fibroblasts close to the value of a fibroblast 28 years younger
- Skin is more than 8 times firmer (vs placebo)
- At DEJ: better cohesion between epidermis & dermis
- In the dermis: improvement of traction forces on fibroblasts
- At DHJ: innovative approach on interactions between adipocytes & fibroblasts

## Nature

Extract of organic algae titrated in glycolipids

Solubility: water soluble  
Form: liquid  
Use level: 2%  
Preservative free

## Sepilift™ DPHP

Dipalmitoyl Hydroxyproline



## The weapon against aging

## Benefits on volunteers

- Total wrinkle surface: -32% after 42 days vs lipopeptide

## Mode of action

- Stimulates collagen fiber contraction
- Protects dermal supporting tissue (protection of elastin, anti-MMPs action, pro-TIMPs)

## Nature

Hydroxyproline lipopeptides

Solubility: amphiphilic  
Form: powder  
Use level: 1%  
Preservative free

## Thalassine 2™

Aqua/Water, Tripleurospermum Maritimum Extract



## Skin myorelaxant

## Mode of action

- Reduces muscle contractions
- Protects skin against free radicals
- Stimulates GAG & collagen production

## Nature

Sea chamomile

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative: sorbic acid

## Timecode™

Palmitoyl Glycine



## Neutralize inflamm'aging &amp; gain up to 15 years of firmness

## Benefits on volunteers

- Reduces visible wrinkles on 78% of volunteers
- -35% deep wrinkles after 42 days vs lipopeptide

## Mode of action

- Targets the key aging markers (IL-6, Tenacin C, Dermatopontin & MMP1)
- Plays the role of dermis architect

## Nature

PAL GLY, the bliss molecule

Solubility: amphiphilic  
Form: powder  
Use level: 1%  
Preservative free

## Voluform™

Palmitoyl Isoleucine



## Volufirming technology

## Benefits on volunteers

- Deep wrinkles: -39% after 42 days vs lipopeptide

## Mode of action

- Firming effect (reinforced dermal matrix): increase of contractile forces of fibroblasts: +94% after 48 hours
- Increases the dynamic interactions between fibroblasts & the dermal matrix: reorganization of dermis in only 2 hours

## Nature

Isoleucine lipopeptides

Solubility: amphiphilic  
Form: powder  
Use level: 1%  
Preservative free

## PLUMPING

## Ambre Oceane™ 2C

Aqua/Water, Pelvetia Canaliculata Extract



## Collagen-like algae

## Mode of action

- GAG: +19%
- Hyaluronic acid: +26%
- Collagen III: +18%

## Nature

Sea amber

Solubility: water soluble  
Form: liquid  
Use level: 1%

## Sea Lavender SC

Caprylic/Capric Triglyceride, Limonium Gerberi Extract



## Replump dermis due to cell communication

## Benefits on volunteers

- Moisturizing effect vs placebo from 2 to 24 hours: +30%

## Mode of action

- +31% collagen IV
- +21% collagen VII
- +31% GAG, +27% hyaluronic acid
- Activates connexin 43 for cell communication

## Nature

Immortal blue

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

## Sepilift™ DPHP

Dipalmitoyl Hydroxyproline



## Plump up lips, glamour effect guaranteed!

## Benefits on volunteers

- Ideally moisturized & restructured, the lips are more plumped (after only 15 days)
- Clear improvement of moisturizing & restructuring of the lips

## Nature

Hydroxyproline lipopeptides

Solubility: amphiphilic  
Form: powder  
Use level: 1%  
Preservative free

## Voluform™

Palmitoyl Isoleucine



## Natural alternative to lipofilling for the face

## Benefits on volunteers

- After 56 days, the cheeks are plumped in 83% of volunteers (the fat cell stock is preserved)
- The face is re-sculpted & the skin becomes plump again (+10% firmness)

## Mode of action

- VOLUfilling technology: stimulates the good fat & increases the volume of functional adipocytes

## Nature

Isoleucine lipopeptides

Solubility: amphiphilic  
Form: powder  
Use level: 1%  
Preservative free

## SKIN REMODELING

Celtosome™  
Crithmum Maritimum

Crithmum Maritimum Callus Culture Filtrate



## Rejuvenation from biotechnologies

## Benefits on volunteers

- Clinical signs improved: +39% for wrinkles signs, +41% for tonicity vs T0 (10 months treatment) - specifically for concerned women
- Better hydration after 2 hours vs placebo

## Mode of action

- Collagen synthesis

## Nature

Plant cells from sea fennel

Solubility: dispersible  
Form: powder  
Use level: 0.1 to 0.2%  
Preservative free



## SKIN REMODELING

### TECA

Asiaticoside, Madecassic Acid, Asiatic Acid



#### Quicker reparation of impaired skin

##### Benefits on volunteers

In the dermis:  
 • at D1 vs D0, the loss of density is significantly lower with TECA vs placebo  
 • at D14, full recovery with TECA

##### Mode of action

• Anti-oxidant -68%  
 • ECM protection (MMP-1 & 9 up to -63%)  
 • Dermis boosting (fibroblast migration: +61%;  
 α-Smooth Muscle Actin protein: +50%)

##### Nature

Titrated extract of *Centella asiatica* (TECA > 95%)

Form: powder  
 Use level: 0.2%  
 Preservative free

## ENERGIZING

### Bioplasma™ BG 40

Aqua/Water, Butylene Glycol\*, Plankton Extract\*\*



\*Plant-based & Renewable / \*\*Plankton Origin: (species) *Scenedesmus Obliquus*

#### Desert microalgae for cell energy

##### Mode of action

• ATP: +27%  
 • ATP after ozone stress: +39%  
 • ATP after H<sub>2</sub>O<sub>2</sub> stress: +45%

##### Nature

Desert microalgae

Solubility: water soluble  
 Form: liquid  
 Use level: 1%

### Gulf Stream Sea Water™

Sea Salt



#### 30x more concentrated in minerals than sea water

##### Benefits

• Optimizes cell functions

##### Nature

Sea powder

Solubility: water soluble  
 Form: powder  
 Use level: 2%

### Sepitonic™ M3.0

Magnesium Aspartate, Zinc Gluconate, Copper Gluconate



#### A breath of oxygen & efficacy

##### Mode of action

• Optimization of cellular respiration which chronologically stimulates the synthesis of energy (ATP) & metabolic (DNA- proteins) mediators  
 • Active ingredient booster

##### Nature

Mineral-based cell fuel (zinc, copper, magnesium)

Solubility: water soluble  
 Form: liquid  
 Use level: 1%  
 Preservative free

# Daily defense

## ANTI-OXIDANT

### Ephemer™

Aqua/Water, Glycerin, Vernonia Appendiculata Leaf Extract



#### Protect the genes of Eve

##### Benefits on volunteers

• Clinic anti-oxidant vs placebo (after day 28)  
 • Clinic anti-oxidant: +15% vs D0

##### Mode of action

• Immediate (-100% vs control) & long lasting (-36% vs control) anti-oxidant, protecting the mitochondria  
 • More efficient than a seaweed extract

##### Nature

Ephemeral cells in the lifecycle of macroalgae

Solubility: liposoluble  
 Form: liquid  
 Use level: 1%  
 Preservative free

### Sepilift™ DPHP

Dipalmitoyl Hydroxyproline



#### Natural anti-aging defense for younger looking skin

##### Mode of action

• Neutralizes excess free primary radicals

##### Nature

Hydroxyproline lipoaminoacids

Solubility: amphiphilic  
 Form: powder  
 Use level: 1%  
 Preservative free

### Sepitonic™ M3.0

Magnesium Aspartate, Zinc Gluconate, Copper Gluconate



#### A breath of fresh air to de-stresses the skin

##### Mode of action

• >80% protection against primary free radicals

##### Nature

Mineral-based cell fuel (zinc, copper, magnesium)

Solubility: water soluble  
 Form: liquid  
 Use level: 1%  
 Preservative free

### TECA

Asiaticoside, Madecassic Acid, Asiatic Acid



#### Faster reparation of impaired skin

##### Benefits on volunteers

In the dermis:  
 • At D1 vs D0, the loss of density is significantly lower with TECA vs placebo  
 • At D14, full recovery with TECA

##### Mode of action

• Anti-oxidant -68%  
 • ECM protection (MMP-1 & 9 up to -63%)  
 • Dermis boosting (fibroblast migration: +61%;  
 α-Smooth Muscle Actin protein: +50%)

##### Nature

Titrated extract of *Centella asiatica* (TECA > 95%)

Form: powder  
 Use level: 0.2%  
 Preservative free

## DETOXIFYING & ANTI-POLLUTION

### Bioplasma™ FA

Aqua/Water, Butylene Glycol\*, Plankton Extract\*\*, Arginine Ferulate



\*Plant-based & Renewable / \*\*Plankton Origin: (species) *Scenedesmus Obliquus*

#### Cell detoxification & communication

##### Mode of action

Proteasome stimulation for mature skin:  
 • Proteasome 20S: +64%  
 • Proteasome 26S: +45%  
 • Complex proteasome PA28: +46%

##### Nature

Desert microalgae

Solubility: water soluble  
 Form: liquid  
 Use level: 1%  
 Preservative free



## DETOXIFYING & ANTI-POLLUTION

### Contacticel™

Aqua/Water, Butylene Glycol\*,  
Hydrolyzed Rhodophyceae Extract



\*Plant-based & Renewable

#### Regulation of oily skin exposed to pollution

##### Benefits on volunteers

- Reduces the ozonolyzed squalene, as a protection of the skin against pollution

##### Mode of action

- Regulation of lipids (-17%) in polluted cells by urban dust
- Protection from the effects of heavy metals (cell proteins, cell DNA), regulates inflammatory mediators (IL-8 :-18%, IL-1: -49%)
- Protective effects of the immunity against urban dust: protection of langerhans cells by reducing inflammation

##### Nature

Epiphytic macroalgae cells

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Juvenessence™

Caprylic/Capric Triglyceride,  
Alaria Esculenta Extract



#### Detoxifying through proteasome stimulation

##### Mode of action

- Proteasome stimulation: +24%

##### Nature

The Arctic winged kelp

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Native Essence™

Caprylic/Capric Triglyceride,  
Crithmum Maritimum Extract



#### The keratogenesis architect

##### Mode of action

- Restores hydrolipidic barrier (ceramides 3 & 6)
- Detoxifies asphyxiated skin
- Protects blood vessel membranes

##### Nature

Sea fennel oil extract

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Oligogeline™ PF

Aqua/Water, Chondrus Crispus Extract



#### Second skin ingredient

##### Benefits on volunteers

- TEWL: -38% after 2 hours
- +43% microparticles removed vs non-treated area

##### Nature

Carrageenans from extremophile red seaweed & marine minerals

Solubility: water soluble  
Form: gel  
Use level: 2 to 3%  
Preservative free

### Sakadikium™

Glycerin, Aqua/Water,  
Hedychium Coronarium Root Extract



#### Skin multiprotector

##### Benefits on volunteers

- Visible & perceived brightness increased by 16% vs placebo

##### Mode of action

- Cellular detoxification
- Anti-pollution
- Autophagy
- Anti-oxidant
- Protective effects of the immunity against urban dust: protection of langerhans cells by reducing inflammation

##### Nature

Sugars of rhizomes from Madagascar

Solubility: water soluble  
Form: liquid  
Use level: 3%  
Preservative free

### Sepitonic™ M3.0

Magnesium Aspartate, Zinc Gluconate,  
Copper Gluconate



#### A breath of fresh air to de-stress the skin

##### Mode of action

- >80% protection against primary free radicals
- Protection of the mitochondria from dysfunctions due to indoor pollution stress

##### Nature

Mineral-based cell fuel (zinc, copper, magnesium)

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Voluform™

Palmitoyl Isoleucine



#### A powerful cellular detoxifier

##### Mode of action

- Activation of proteasome enzymes:
- Chymotrypsin activity: +309%
- Trypsin activity: +202%
- Caspase activity: +209%

##### Nature

Isoleucine lipaminoacids

Solubility: amphiphilic  
Form: powder  
Use level: 1%  
Preservative free

## PHOTO-AGING, BLUE LIGHT & IR PROTECTION

### Antileukine 6™

Caprylic/Capric Triglyceride,  
Laminaria Ochroleuca Extract



#### Daily soothing shield

##### Benefits on volunteers

- In vivo: quick soothing effect after 24h

##### Mode of action

- Sunburn cells (UVB induced) decrease: -50%
- Protection against UV stress, neurogenic suractivation & blue light exposure

##### Nature

Golden seaweed

Solubility: liposoluble  
Form: liquid  
Use level: 2%  
Preservative free

### Blue Seakale SC

Caprylic/Capric Triglyceride,  
Crambe Maritima Leaf Extract



#### Cutaneous soothing & cell proliferation

##### Benefits on volunteers

- -43% cutaneous reactivity

##### Mode of action

- -31% IL-1, -32% IL-6, -22% PGE2 (after UVB),
- +77% ceramides 2
- +14% cell proliferation

##### Nature

Highly salt-tolerant seakale

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Juvenessence™

Caprylic/Capric Triglyceride,  
Alaria Esculenta Extract



#### Skin protector

##### Mode of action

- Decreases IL-1, IL-6 & IL-8: -12% to 21%
- TNFα: -14%
- IFNγ: - 8%

##### Nature

The Arctic winged kelp

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Phycocorail™

Lithothamnion Calcareum Powder,  
Mannitol, Diatomaceous Earth, Zinc Sulfate



#### Bioceramic thermic shield

##### Mode of action

- Protects 74% of keratinocytes & 80% Langerhans cells after UV/IR stress
- DNA damages: -72%
- Absorbs in IR

##### Nature

Red calcified seaweed

Solubility: hydro & lipo-dispersible  
Form: powder  
Use level: 1 to 3%  
Preservative free

### Sakadikium™

Glycerin, Aqua/Water,  
Hedychium Coronarium Root Extract



#### Skin multiprotector

##### Benefits on volunteers

- Visible & perceived brightness increase by 16% vs placebo

##### Mode of action

- UV, blue light, infrared protection
- Autophagy
- Anti-oxidant

##### Nature

Sugars of rhizomes from Madagascar

Solubility: water soluble  
Form: liquid  
Use level: 3%  
Preservative free



## PHOTO-AGING, BLUE LIGHT & IR PROTECTION

### Sea Lavender SC

Caprylic/Capric Triglyceride,  
Limonium Gerberi Extract



Halophyte plant for a better hydro-lipidic barrier

#### Benefits on volunteers

- Moisturizing vs placebo from 2 to 24 hours: +30%

#### Mode of action

- -37% IL-6, -33% IL-1 release (after UVB)
- +67% ceramides 1

#### Nature

Immortal blue

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

# Skin complexion

## LIGHTENING

### Celtosome™ Crithmum Maritimum

Crithmum Maritimum Callus Culture Filtrate



Pigmentation regulator from biotechnologies

#### Benefits on volunteers

- Significant lightening of skin pigmentation correlated to an increase of ITA compared to D0

#### Mode of action

- Inhibits tyrosinase activity, reduces melanin, reduces migration of melanosomes

#### Nature

Plant cells from sea fennel

Solubility: dispersible  
Form: powder  
Use level: 0.1 to 0.2%  
Preservative free

### Seashine™

Aqua/Water, Butylene Glycol\*, Alaria Esculenta Extract, Undaria Pinnatifida Extract



\*Plant-based & Renewable

Lightener & skin sublimer

#### Benefits on volunteers

- Lightening: +30%

#### Mode of action

- Downregulates TRP-1 protein gene expression by 31%
- Downregulates EDNRB protein gene expression by 28%
- Downregulates RAB27A gene expression by 48%
- Inhibits PAR-2 production by 25%
- Decreases melanosomes migration into keratinocytes (-19%)

#### Nature

Sea shining laminarias

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Sepicalm™ VG WP

Sodium Palmitoyl Proline,  
Nymphaea Alba Flower Extract



Perfect lightener

#### Benefits on volunteers

- 90% lighter skin / 91% more radiant / 94% lighter spots & 73% smaller spots

#### Mode of action

- Double skin lightening action: inhibition of inflammatory pigmentation induced by cutaneous stress & modulation of gene expression in the basal pigmentation (MIC1, MITF, tyrosinase) after 16 hours

#### Nature

Combination of lily flowers & palmitoyl proline

Solubility: amphiphilic  
Form: liquid  
Use level: 3%

### Sepiwhite™ MSH

Undecylenoyl Phenylalanine



Radiant complexion for all skin tones!

#### Benefits on volunteers

- 100% lighter spots / 73% less spots / 83% more radiant complexion / 100% more even complexion
- Skin is uniform & visibly luminous
- Proven efficacy on all skin tones (Asian, African, Indian & Caucasian skin, phototypes II-V)

#### Mode of action

- Unique mode of action: modulates the α-MSH path to inhibit the metabolic activation of tyrosinase
- Flash lightening (in seven days with AHA)

#### Nature

Phenylalanine lipoaminoacids

Solubility: hydrodispersible, water soluble at pH7  
Form: powder  
Use level: 2%  
Preservative free

### Sepiwhite™ MSH QD

Undecylenoyl Phenylalanine



QD approved lightening booster

#### Benefits on volunteers

- At a very low dose (0.2%), boosts other illuminating agents

#### Nature

Phenylalanine lipoaminoacids

Solubility: hydrodispersible, water soluble at pH7  
Form: powder  
Use level: 0.2%  
Preservative free



## RADIANCE

### Celtosome™ Crithmum Maritimum

Crithmum Maritimum Callus Culture Filtrate



#### Pigmentation regulator from biotechnologies

##### Benefits on volunteers

- After 56 days of treatment, the scoring of radiance increased, meaning an improvement of 20% of radiant complexion vs D0

##### Mode of action

- Inhibits tyrosinase activity, reduces melanin, reduces migration of melanosomes

##### Nature

Plant cells from sea fennel

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0.1%  
**Preservative free**

### Native Essence™

Caprylic/Capric Triglyceride,  
Crithmum Maritimum Extract



#### Reinforce the barrier

##### Benefits on volunteers

- Radiance: +14% after 28 days
- Skin is less dull (90% of volunteers)

##### Mode of action

- Improves ceramide synthesis by 46%
- Regulates cell proliferation & fillagrin for differentiation control under asphyxia conditions

##### Nature

Sea fennel oil extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### Sakadikum™

Glycerin, Aqua/Water,  
Hedychium Coronarium Root Extract



#### Skin multiprotector

##### Benefits on volunteers

- Visible & perceived brightness increase by 16% vs placebo

##### Mode of action

- UV, blue light, infrared protection
- Autophagy
- Anti-oxidant

##### Nature

Sugars of rhizomes from Madagascar

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

### Taladvance™

Glycerin, Aqua/Water,  
Centella Asiatica Leaf Extract



#### A nature-like extract of Talapetraka for skin radiance

##### Benefits on volunteers

- Instant radiance effect: increases blooming aspect & complexion uniformity after 30min at 5%
- Long-term radiance effect: increases luminosity & glow after 28 days at 2%
- Improvement of skin suppleness by 11% after 28 days at 2%

##### Mode of action

- Epidermal & dermal protection: antioxidant, against inflammation (IL-1α: -76% & IL-8: -34%)
- Dermal homeostasis maintenance & restoration (Chronobiology): Circadian rhythm (Bmal1: 69% & Per2: 83%; IL-8: 62%; Col1a1: 102% & Col3a1: 144%; Timp1: 48% & Timp3: 134% overnight restoration effect)

##### Nature

The full essentials of *Centella asiatica*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**

### Timecode™

Palmitoyl Glycine



#### No more shadowy areas!

##### Benefits on volunteers

- Blooming skin effect in 14 days: +5% luminosity & -24% redness (ex vivo)

##### Mode of action

- Improved microvascular network after 16 hours: +18%

##### Nature

PAL GLY, the bliss molecule

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**

## HEALTHY SKIN

### Ceramosides™ HP

Glycosphingolipids, Glycolipids



#### Phytoceramides for a perfect skin

##### Benefits on volunteers

- Smooth skin texture, pore are narrowed
- Positive emotions & self-esteem are boosted

##### Mode of action

- Firmness: +33% protection of collagen fibers (TIMP1)
- Elasticity: +47% protection of elastin fibers
- Anti-oxidant: +39.2% protection against superoxide radicals

##### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

**Solubility:** oil & water dispersible  
**Form:** powder  
**Use level:** 0.2 %  
**Preservative free**

### Taladvance™

Glycerin, Aqua/Water,  
Centella Asiatica Leaf Extract



#### The healthy skin you are looking for during day & night!

##### Benefits on volunteers

- Instant radiance effect: increases blooming aspect & complexion uniformity after 30min at 5%
- Long-term radiance effect: increases luminosity & glow after 28 days at 2%
- Improvement of skin suppleness by 11% after 28 days at 2%

##### Mode of action

- Epidermal & dermal protection: antioxidant, against inflammation (IL-1α: -76% & IL-8: -34%)
- Dermal homeostasis maintenance & restoration (Chronobiology): Circadian rhythm (Bmal1: 69% & Per2: 83%; IL-8: 62%; Col1a1: 102% & Col3a1: 144%; Timp1: 48% & Timp3: 134% overnight restoration effect)

##### Nature

The full power of *Centella asiatica*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**

## TANNING

### Lumipod™

Isosorbide, Capryloyl/Capryloyl Leucine  
Isosorbide Esters



#### Bio-inspired tan booster lipoaminoacids

##### Benefits on volunteers

- Reduces sun exposure while reaching the same tan
- Quick 'sun-kissed' tan boosting effect: +6% ITA variation vs D0 & 2X more efficient than acetyl tyrosine after 4 days
- Long-lasting tanning effect: +15% ITA variation vs D0 after 12 days & long lasting results up to 2 weeks after stopping applying the product and UV radiations

##### Mode of action

- Strengthen skin melanin natural defenses from within
- Boosts melanin synthesis
- Boosts melanosome maturation & transfer

##### Nature

Bio-inspired Leucine-based lipoaminoacids

**Solubility:** amphiphilic structure (lipophilic tendency)  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

## DARK CIRCLES

### Adipoless™ Eco

Propanediol, Aqua/Water,  
Chenopodium Quinoa Seed Extract



#### Dark circles eraser!

##### Benefits on volunteers

- After 1 month, dark circles are strongly decreased: -16 arbitrary units vs placebo on 90% of volunteers

##### Mode of action

- +23% vascular protection
- +79% elastic fibers protection
- -90% less formation of new blood vessels
- -70% MMP-9 synthesis

##### Nature

Quinoa extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%

**Other version available:**  
**Adipoless™** with solvent:  
**Butylene Glycol**

# Skin balance

## PURIFYING

### Contacticel™

Aqua/Water, Butylene Glycol\*,  
Hydrolyzed Rhodophyceae Extract



\*Plant-based & Renewable

#### Regulation of oily skin exposed to pollution

##### Benefits on volunteers

- Limits excessive sebum production for long-term visible benefits

##### Mode of action

- Regulation of lipids (-17%) in polluted cells exposed to urban dust
- Protection from the effects of heavy metals: (cell proteins, cell DNA) regulates inflammatory mediators (IL-8: -18%, IL-1: -49%)

##### Nature

Epiphytic macroalgae cells

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Fluidipure™ 8G

Hexylene Glycol, Capryloyl Glycine,  
Xylitylglucoside



#### Scalp & skin cocoon protector

##### Benefits on volunteers

- Contributes to the microbiota balance to reduce disorders, protect & purify the skin
- Gentle purifying & odor reduction, ideal for sensitive skin

##### Nature

Natural glycine & sugar lipoaminoacids

Solubility: water soluble  
Form: liquid  
Use level: 2.5 to 5%  
Preservative free

Other version available:  
Lipacide™ C8G (purified powder form)

### Lipacide™ C8G

Capryloyl Glycine



#### Overall iconic purifier

##### Benefits on volunteers

- Helps restore the skin natural acidic pH
- Purifies oily scalp from 2 weeks
- Up to -74% imperfections on mask zone (maskne)
- Visibly refines skin: -46% pore appearance, -40% roughness score

##### Mode of action

- Inhibits proliferation of germs responsible of acne & dandruff
- Limit excess of sebum
- Improves the state of capillary seborrheic dermatitis (squamae, sebum, redness)

##### Nature

Glycine lipoaminoacids

Solubility: water soluble at pH 5 - 5.5  
Form: powder  
Use level: 0.5 to 2%  
Preservative free

Other version available:  
Fluidipure™ 8G (liquid form)

## DEODORANT

### Lipacide™ UG

Undecylenoyl Glycine



#### Natural way to fight body odor

##### Benefits on volunteers

- Decreases intensity of perspiration odor by 21% (better than triclosan)
- 24 hour deodorant efficacy

##### Mode of action

- Staphylococcus epidermidis MIC 0.05%
- Staphylococcus haemolyticus MIC 0.025%
- Micrococcus luteus MIC 0.001%
- Corynebacterium xerosis MIC 0.001%

##### Nature

Glycine lipoaminoacids

Solubility: water soluble at pH 7  
Form: powder  
Use level: 0.5 to 2%  
Preservative free

## OIL CONTROL

### Phlorogine™ CV

Aqua/Water, Butylene Glycol,  
Laminaria Saccharina Extract



#### Skin purity restorer

##### Benefits on volunteers

- Reduction of sebum excess: -29.3% on 28 days
- 86% of the volunteers have found their skin less oily, less shiny

##### Mode of action

- Anti lipase: -73%
- Cell detoxification (up to -22%)

##### Nature

Royal sugar kelp

Solubility: water soluble  
Form: liquid  
Use level: 1 to 2%  
Preservative free

### Sepicontrol™ A5

Capryloyl Glycine, Sarcosine,  
Cinnamomum Zeylanicum Bark Extract



#### Limit sebum excess of acne prone skin

##### Benefits on volunteers

- Reduces the sebum production at the skin surface by 20%
- 78% less comedones

##### Mode of action

- Inhibits microbial growth: C. acnes, S. aureus & S. epidermidis
- Reduces bacterial lipase activity by 71%

##### Nature

Spicy cocktail of cinnamon & glycine lipoaminoacids

Solubility: hydrophilic  
Form: brown liquid  
Use level: 4%  
Preservative free

## ACNE PRONE SKIN & MASKNE

### Lipacide™ C8G

Capryloyl Glycine



#### Overall iconic purifier - Validated on Maskne

##### Benefits on volunteers

- Maskne efficacy: reduction of imperfections on mask zone (up to -74%)
- Visibly refines skin: -46% pore appearance, -40% roughness score

##### Mode of action

- Inhibits proliferation of germs responsible of acne
- Limit excess of sebum

##### Nature

Glycine lipoaminoacids

Solubility: water soluble at pH 5 - 5.5  
Form: powder  
Use level: 0.5 to 2%  
Preservative free

### Sepicontrol™ A5

Capryloyl Glycine, Sarcosine,  
Cinnamomum Zeylanicum Bark Extract



#### Seboregulating expert of acne prone skin

##### Benefits on volunteers

- 78% less comedones
- 20% less sebum production

##### Mode of action

- Inhibits microbial growth: C. acnes, S. aureus & S. epidermidis
- Increases natural skin immune & anti-microbial defense +46% HBD2 (defensin)
- Controls hyperkeratinization: -60% less Filaggrin
- Helps to control inflammation better than salicylic acid: -73% of IL-1α, -80% Elastase activity, -44% superoxide anion release, -71% bacterial lipase activity

##### Nature

Spicy cocktail of cinnamon & glycine lipoaminoacids

Solubility: hydrophilic  
Form: brown liquid  
Use level: 4%  
Preservative free

### Subligana™

Glycerin, Aqua/Water,  
Harungana Madagascariensis Extract



#### Skin protection for a flawless complexion

##### Benefits on volunteers

- Improvement of skin texture: 37% of blackhead reduction in 28 days. From 7 days, pore refining perceived for up to 85% of volunteers
- Skin perfecter: spot reduction (-34%) at 28 days vs placebo

##### Mode of action

- 65% of protection against C. acnes secretome harmful effects
- Soothing effect: inhibition of bacteria lipase (-39%) & interleukines regulation (+157% of IL-10, -93% of IL-12)
- Antioxidant protective effect against lipid peroxidation (-79%)

##### Nature

Titrated extract of Harungana madagascariensis tree leaves

Solubility: water soluble  
Form: liquid  
Use level: 2%  
Preservative free



## SKIN & MICROBIOTA HOMEOSTASIS

### Equibiome™

Propylene Glycol, Aqua/Water,  
Arctium Lappa Root Extract



#### Balance reactive skin for a perfect harmony

##### Benefits on volunteers

Relief for reactive skin:  
 • Protective soothing properties: reduces skin redness (-60%) & limits stinging sensations (-20%) at D14 vs placebo  
 • Skin moisturizing activities: +58% skin water content at D7 vs placebo

##### Mode of action

Skin-microbiota harmony promoter:  
 • Improves keratinocyte-microbe tolerance  
 • Facilitates ecosystem biodiversity  
 • Reinforces barrier function

##### Nature

From sustainable Great Burdock roots

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### Fluidipure™ 8G

Hexylene Glycol, Capryloyl Glycine,  
Xylitylglucoside



#### Scalp & skin cocoon protector

##### Benefits on volunteers

• Contributes to the microbiota balance to reduce disorders, protect & purify the skin: fight disorder-causing bacteria (*C. striatum*, *C. acnes* & *M. furfur*) while preserving the commensal bacteria *S. epidermidis*. Skin is rebalanced.

##### Nature

Natural glycine & sugar lipoaminoacids

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2.5 to 5%  
**Preservative free**

### Subligana™

Glycerin, Aqua/Water,  
Harungana Madagascariensis Extract



#### Skin protection for a flawless complexion

##### Benefits on volunteers

• Improvement of skin texture: blackhead reduction & pore refining perceived from 7 days, for up to 85% of volunteers  
 • Skin perfecter: spot reduction (-34%) at 28 days vs placebo

##### Mode of action

• 65% of protection against *C. Acnes* secretome harmful effects  
 • Soothing effect: inhibition of bacteria lipase (-39%) & interleukines regulation (IL-10: +157%, IL-12: -93%)

##### Nature

Titrated extract of *Harungana madagascariensis* tree leaves

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

### Taladvance™

Glycerin, Aqua/Water,  
Centella Asiatica Leaf Extract



#### Skin balance & dermal boosting with Talapetraka

##### Benefits on volunteers

• Increases smoothness of the skin

##### Mode of action

• Dermal boosting & cellular viability: metabolism improvement (mTOR pathway: +147%) & cellular capacity maintenance (Survivin: +47%)  
 • Dermal protection (MMP-1: -54%)  
 • Anti-oxidant  
 • Epidermal balance: modulation of keratinocytes differentiation (IGFBP-3: x12)

##### Nature

The full essentials of *Centella*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**

### Subligana™

Glycerin, Aqua/Water,  
Harungana Madagascariensis Extract



#### Skin protection for a flawless complexion

##### Benefits on volunteers

• Improvement of skin texture: 37% of blackhead reduction in 28 days.  
 • From 7 days, pore refining perceived for up to 85% of volunteers

##### Nature

Titrated extract of *Harungana madagascariensis* tree leaves

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

## PORE MINIMIZER

### Ceramosides™ HP

Glycosphingolipids, Glycolipids



#### The essence of a perfect skin

##### Benefits on volunteers

• Smooth skin texture, pore are narrowed  
 • Positive emotions & self-esteem are boosted

##### Mode of action

• Firmness: +33% protection of collagen fibers (TIMP1)  
 • Elasticity: +47% protection of elastin fibers  
 • Anti-oxidant: +39.2% protection against superoxide radicals

##### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

**Solubility:** oil & water dispersible  
**Form:** powder  
**Use level:** 0.2 %  
**Preservative free**

# Moisturization

## HYDRATION

### Aquaxyl™

Xylitylglucoside, Anhydroxylitol, Xylitol



#### A 3D hydration boosting hyaluronic acid production

##### Benefits on volunteers

- Skin water content is increased at 8 hours, 2 weeks & 1 month

##### Mode of action

- Hyaluronic acid booster at epidermal (+24%) & dermal (+20%) levels
- NMF is increased via the fillagrin degradation (+66% for Caspase-14)
- Water circulation is improved: tight junctions cohesion & Aquaporin-3 +36%

##### Nature

Natural sugar complex

Solubility: water soluble  
Form: liquid  
Use level: 3%  
Preservative free

### Bioplasma™ BG 40

Aqua/Water, Butylene Glycol\*, Plankton Extract\*\*



\*Plant-based & Renewable / \*\*Plankton Origin: (species) Scenedesmus Obliquus

#### Hydration from the desert algae

##### Benefits on volunteers

- Decreases TEWL after 2 hours: -6%

##### Nature

Desert microalgae

Solubility: water soluble  
Form: liquid  
Use level: 1%

### Codiavelane™ BG PF

Butylene Glycol\*, Aqua/Water, Codium Tomentosum Extract



\*Plant-based & Renewable

#### Multi-action moisturizer bio-inspired by the Emerald Sea

##### Benefits on volunteers

- Immediate & long-lasting hydration: +14% (after 8 hours & 24 hours) vs T0
- Long lasting hydration: +11% (after D28 vs D0)

##### Mode of action

- Stimulates ceramides, cerebrosides, cholesterol

##### Nature

Velvet algae

Solubility: water soluble  
Form: liquid  
Use level: 2%  
Preservative free

### Hydrachrysum™

Aqua/Water, Glycerin, Helichrysum Stoechas Callus Culture Lysate



#### Breaking Inflamm'Dryness™ vicious circle

##### Benefits on volunteers

- Intense & long-term skin hydration: +47% (after 21 days vs D0)
- Boosts the number of *Lacunae*, visual markers of moisturization

##### Mode of action

- Inflammation resolution; 2D Model: decreases pro-inflammatory & increases pro-resolving mediators / 3D Model: decreases PGE2 & increases 15-HETE
- Strong barrier function & homeostasis restoration: +77% thickness of *Stratum compactum* / +29% NMF / better integrity & cohesion of Epidermis / -78% TEWL

##### Nature

Plant cells lysate from *Helichrysum stoechas*

Solubility: water soluble  
Form: liquid  
Use level: 1%

### Oligogeline™ PF

Aqua/Water, Chondrus Crispus Extract



#### Second skin ingredient

##### Benefits on volunteers

- TEWL: -38% after 2 hours

##### Nature

Carrageenans from extremophile red seaweed & marine minerals

Solubility: water soluble  
Form: gel  
Use level: 2 to 3%  
Preservative free

### Sepicalm™ S WP

Sodium Cocoyl Aminoacids, Sarcosine, Potassium Aspartate, Magnesium Aspartate



#### Increase skin comfort for sensitive skin

##### Benefits on volunteers

- Skin water content is increased for up to 5 hours after application: +15%

##### Nature

Minerals + lipoaminoacids cocktail

Solubility: water soluble  
Form: liquid  
Use level: 3%  
Preservative free

## SKIN BARRIER

### Aquaxyl™

Xylitylglucoside, Anhydroxylitol, Xylitol



#### 24h skin lipids barrier regeneration

##### Benefits on volunteers

- The skin desquamation is decreased in dry skin: -25% in one month
- The skin microrelief is smoothed: +30%
- -14% of TEWL in one month

##### Mode of action

- +139% increase in Ceramides 1&2 (no effect of glycerin) on human skin explants
- +61% of a key enzyme involved in Cholesterol synthesis
- +96% increase for Loricrine
- +111% increase for Kallikrein-5 & +63% for Kallikrein-7

##### Nature

Natural sugar complex

Solubility: water soluble  
Form: liquid  
Use level: 3%  
Preservative free

### Ceramosides™ HP

Glycosphingolipids, Glycolipids



#### Phytoceramides barrier

##### Benefits on volunteers

- Effects on superficial skin layers hydration: +50% (as immediate effect) & +20% (as continuous effect)

##### Mode of action

- Elasticity: 47% protection of elastin fibers
- Antioxidant activity: 39.2% protection against superoxide radicals

##### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

Solubility: oil & water dispersible  
Form: powder  
Use level: 0.2%  
Preservative free



# Skin relief

## SKIN REPAIR & INTEGRITY

### Celtosome™ Crithmum Maritimum

Crithmum Maritimum Callus Culture Filtrate



Accelerated repairing & soothing from biotechnologies

#### Benefits on volunteers

- Epidermis renewal by a factor of 5
- Reduces IL-1, IL-6, stimulates growth factors
- Stimulates collagen synthesis

#### Nature

Plant cells from sea fennel

Solubility: dispersible  
Form: powder  
Use level: 0.1%  
Preservative free

### TECA

Asiaticoside, Madecassic Acid, Asiatic Acid



Iconic repairing agent

#### Benefits on volunteers

- Quicker reparation of damaged skin vs placebo

#### Mode of action

- Anti-oxidant: -68%
- ECM protection (MMP-1 & 9 up to -63%)
- Dermis boosting (fibroblast migration: +61%; α-Smooth Muscle Actin protein: +50%)

#### Nature

Titrate extract of *Centella asiatica* (TECA > 95%)

Form: powder  
Use level: 0.2%  
Preservative free

## SOOTHING: REDNESS & REACTIVITY

### Antileukine 6™

Caprylic/Capric Triglyceride,  
Laminaria Ochroleuca Extract



Daily soothing shield

#### Benefits on volunteers

- *In vivo*: quick soothing effect after 24h

#### Mode of action

- Decreases TNFα: -26% vs UVB
- Decreases LTb4: -29% vs UVB
- Decreases COX2: -29% vs UVB
- Decreases IL-10: -26% vs UVB

#### Nature

Golden seaweed

Solubility: liposoluble  
Form: liquid  
Use level: 2%  
Preservative free

### Embelia Extract

Glycerin, Aqua/Water,  
Embelia Concinna Leaf Extract



Natural "hug of the forest":  
the best relief for reactive & sensitive skin

#### Benefits on volunteers

- Immediate & long term relief (stinging test)

#### Mode of action

- Soothing by reducing PGE2, LTb4 & Histamine release
- Skin barrier function reinforcement (Involucrin: +46%; Loricrin: +131%)

#### Nature

Titrate extract of *Embelia* leaves

Solubility: water soluble  
Form: liquid  
Use level: 2%  
Preservative free

### Madecassoside

Madecassoside



Powerful soothing dermo-cosmetic active  
for atopy-prone skin

#### Benefits on volunteers

- Efficacy on atopic dermatitis/psoriasis-prone skin from D14:
- Soothing effect (InflammiAging™) / Itching reduction up to -65%
  - Anti-redness: erythema reduction up to -58.3%
  - Moisturizing effect: desquamation reduction up to -50% & PASI score reduction -42.5%
  - Smoothing effect: roughness score reduction up to -50.1%
  - Skin hydration increased by +113.6%

#### Nature

Highly pure madecassoside from *Centella* (> 95%)

Form: powder  
Use level: 0.2%  
Preservative free

### Rosabora™

Tambourissa Trichophylla Leaf Extract



A unique concentrate of polyphenols  
for anti-redness effect

#### Benefits on volunteers

- At 0.3%, -42% microcirculation at D28 on rosacea-prone skin
- Visible reduction of persistent redness from D28

#### Mode of action

- Modulation of "alert message transduction" (CAMP: -45%; KLK-7: -74%)
- Modulation of microcapillaries (THBS-1: +111%; HBD-2: -86%; VEGF: -71%)
- Soothing (PGE2: -26%; LTb4: -60%)
- Anti-free radicals effect after UVB-exposure: -12%

#### Nature

Highly pure polyphenols from *Ambora* (> 45%)

Form: powder  
Use level: 0.3%  
Preservative free

### Sea Mayweed SC

Aqua/Water,  
Tripleurospermum Maritimum Extract



Anti-redness for sensitive skin

#### Benefits on volunteers

- -24% cutaneous reactivity
- -19% redness

#### Mode of action

- -24% IL1, -32% IL6, -29% PGE2 under UVB
- -27% substance P under capsaicin stress, inhibition of substance P receptor

#### Nature

Sea chamomile

Solubility: water soluble  
Form: liquid  
Use level: 1%

### Sea Starwort Oil

Caprylic/Capric Triglyceride,  
Aster Tripolium Extract



Skin barrier reinforcement for soothing efficacy

#### Benefits on volunteers

- Anti-redness: -15% the surface covered by the microcirculation network
- +12% complexion homogeneity after 28 days (scoring)
- +20% hydration after 4 hours in corneometry

#### Nature

Sea aster oil extract

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Sepicalm™ S WP

Sodium Cocoyl Amino Acids, Sarcosine,  
Potassium Aspartate, Magnesium Aspartate



The complete anti-stress protection

#### Benefits on volunteers

- -7.4% redness after mechanical abrasion
- -25% redness after solar erythema
- -46% stinging sensation in 10 seconds

#### Mode of action

- +48% production of β-endorphins
- Targets the key inflammation pathway (NfκB): IL-6: -32%; IL-8: -16%
- -78% of free radical induction (superoxide anion)
- -80% Elastase inhibition
- -100% Hyaluronidase inhibition
- -80% Lipo-oxygenase inhibition

#### Nature

Minerals + lipoaminoacids cocktail

Solubility: water soluble  
Form: liquid  
Use level: 3%  
Preservative free

## MOOD ENHANCER

### Ceramosides™ HP

Glycosphingolipids, Glycolipids



Maintaining an healthy-looking skin

#### Benefits on volunteers

- Effects on superficial skin layers hydration: +50% (immediate effect) & +20% (continuous effect)
- Booster of positive emotions & self-esteem

#### Mode of action

- Elasticity: 47% protection of elastin fibers
- Antioxidant activity: 39.2% protection against superoxide radicals

#### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

Solubility: oil & water dispersible  
Form: powder  
Use level: 0.2%  
Preservative free

## MOOD ENHANCER

### Sepibliss™ Feel

*Coriandrum Sativum (Coriander) Seed Oil*



Balance reactive skin for a perfect harmony

#### Benefits on volunteers

- Powerful soothing effect
- Acupuncture-like well-being sensation
- Action on happiness molecules production

#### Mode of action

- Protection of neuronal extension, reduction of TRPA1 & NfκB activation
- Nitric oxide reduction similar to acupuncture effect
- Protection of oxytocine & β-endorphine production under stress conditions

**Nature**  
Natural oil

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### Sepicalm™ S WP

*Sodium Cocoyl Amino Acids, Sarcosine, Potassium Aspartate, Magnesium Aspartate*



Soothing & happiness lipoaminoacids

#### Benefits on volunteers

- -7,4% redness after mechanical abrasion
- -25% redness after solar erythema
- -46% stinging sensation in 10 seconds

#### Mode of action

- +48% production of β-endorphins
- Targets the key inflammation pathway (NfκB):  
-32% of IL-6 / -16% of IL-8
- -78% of free radical induction (superoxide anion)
- -80% Elastase inhibition
- -100% Hyaluronidase inhibition
- -80% Lipo-oxygenase inhibition

**Nature**  
Minerals + lipoaminoacids cocktail

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

# Body specifics

## FIRMING & STRETCHMARK CONTROL

### Kalpariane™

*Caprylic/Capric Triglyceride, Alaria Esculenta Extract*



Firmness from pressure-resistant algae

#### Benefits on volunteers

- 90% of volunteers perceive improvement of firmness

#### Mode of action

- Anti-elastase: +84% elastin vs elastase
- Anti-collagenase: -20%
- Matricial PG: +21%

**Nature**

The Arctic winged kelp

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### Sculptosane™

*Aqua/Water, Butylene Glycol, Plankton Extract\*, Arginine Ferulate*



3D remodeling action

#### Benefits on volunteers

- Significant cellulite decrease
- Decreases water retention
- Self evaluation: +42% firmness in 28 days

#### Mode of action

- Stimulates lipolysis: +38%
- Decreases autotaxin: -52%
- Anti-MMP1: -12%
- Stimulates fibronectin (+19%) & laminin (+27%)

**Nature**

Desert algae

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

\*Plankton Origin: (species) *Scenedesmus Obliquus*

### Sepilift™ DPHP

*Dipalmitoyl Hydroxyproline*



Strengthen & rejuvenate the skin

#### Mode of action

- Contraction of collagen fibers: +14%
- Protection of extracellular matrix

**Nature**

Hydroxyproline lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%

### TECA

*Asiaticoside, Madecassic Acid, Asiatic Acid*



Iconic blend of actives for stretchmarks

#### Benefits on volunteers

- Quicker reparation of damaged skin vs placebo

#### Mode of action

- Anti-oxidant (free radicals: -68%)
- Soothing (AP-1: -51%; MMP-1 & MMP-9: -63%; TSP-1: +34%)
- Dermis boosting (lattices: +14%)
- Fibroblasts migration: +61%

**Nature**

Titrated extract of *Centella asiatica* (TECA > 95%)

**Form:** powder  
**Use level:** 0.2%  
**Preservative free**

## PLUMPING

### Voluform™

*Palmitoyl Isoleucine*



Natural alternative to lipofilling for the bust

#### Benefits on volunteers

- "BUST Volufirming" technology for a push-up effect: up to one cup size gained after 1 month
- Push-up effect for added beauty for 79% of volunteers

#### Mode of action

- VOLUfilling technology: stimulates the good fat & increases the volume of functional adipocytes

**Nature**

Isoleucine lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%



### Adipoless™ Eco

Propanediol, Aqua/Water, Chenopodium Quinoa Seed Extract



#### The "preventive" slimming active

##### Benefits on volunteers

- 90% formation of new blood vessels
- 91% differentiation of pre-adipocytes into mature adipocytes
- 70% MMP-9 synthesis

##### Nature

Quinoa extract

Solubility: water soluble  
Form: liquid  
Use level: 2%

Other version available:  
**Adipoless™** with solvent:  
Butylene Glycol

### Adiposlim™

Sorbitan Laurate, Lauroyl Proline



#### The "curative" slimming active

##### Benefits on volunteers

- Reduces visually the cellulite aspect: -12%
- Reduces by 11% the fat infiltration in the dermis

##### Mode of action

- 90% fatty acid entrance in adipocytes
- Increases lipolysis in male & female adipocytes (better than caffeine)
- +201% AMPc (lipolysis activator)
- 96% Phosphodiesterase-3 (lipolysis inhibitor)
- Adrenergic receptors ( $\alpha_2$ ,  $\beta$ ) regulation
- +60-62% fat recycled into ATP

##### Nature

Proline lipoaminoacids

Solubility: amphiphilic  
Form: liquid  
Use level: 3%  
Preservative free

# Marine extracts

## BROWN SEAWEED

FUCUS  
VESICULOSUS

### Oleaphycol FV

Caprylic/Capric Triglyceride,  
Fucus Vesiculosus Extract



Solubility: oil  
Preservative free

FUCUS  
VESICULOSUS

### Superphyco D™ BG PF

Aqua/Water, Butylene Glycol,  
Fucus Vesiculosus Extract



Solubility: water  
Preservative free

## BLUE SEAWEED

SPIRULINE

### Spiruline AP

Aqua/Water, Butylene Glycol,  
Spirulina Platensis Extract



Solubility: water

## MARINE PLANT

CRITHMUM  
MARITIMUM

### Oleaphycol CM

Caprylic/Capric Triglyceride,  
Crithmum Maritimum Extract



Solubility: oil  
Preservative free

# Marine scrub

### Sel Grain™

Sea Salt



#### Body purifying scrub

##### Benefits

- Pure crystal for a body shape

##### Mode of action

- Exfoliating (particle size: <2 mm)

##### Nature

Salt of the sea

Solubility: water soluble  
Form: powder (crystals)  
Use level: 1 to 5%  
Preservative free

# Hair & scalp care

## HAIR FIBER

### Biorestorer™ PF

Aqua/Water, Butylene Glycol\*,  
Hypnea Musciformis Extract



\*Plant-based & Renewable

#### Hair smoother

##### Hair benefits

- Restructures & smoothes hair
- Flattens & regulates cuticles

##### Nature

Hook weed extract, a subtropical seaweed

Solubility: water soluble  
Form: liquid  
Use level: 2 to 5%  
Preservative free

### Blue Seakale HC

Aqua/Water, Butylene Glycol\*,  
Crambe Maritima Leaf Extract



\*Plant-based & Renewable

#### Hair protection & nutrition

##### Hair benefits

- Shine
- Softness

##### Nature

Sea Kale extract

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Inula HC

Caprylic/Capric Triglyceride,  
Inula Crithmoide Flower/Leaf Extract



#### Protective oil for dry scalp & hair

##### Hair benefits

- Shine, softness
- Better hair color uptake
- Hair lipidic barrier reinforcement

##### Nature

Golden Samphire extract

Solubility: liposoluble  
Form: liquid  
Use level: 1%  
Preservative free

### Sea Lavender HC

Aqua/Water, Butylene Glycol\*,  
Limonium Gerberi Extract



\*Plant-based & Renewable

#### Natural care for taming hair

##### Hair benefits

- Reduces hair reactivity to static electricity

##### Nature

Sea Lavender extract

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Sepicap™ MP

Sodium Cocoyl Amino Acids, Potassium  
Dimethicone PEG-7 Panthenyl Phosphate



#### Hair nutrition & protection from roots to tip

##### Hair benefits

- -71% of lipid peroxides at the hair surface
- -62% less damaged keratin at the hair surface
- Visible effect on the hair shaft with closed cuticles

##### Nature

Biovectorized amino acids  
(lipoaminoacids) & vitamin

Solubility: hydrodispersible  
Form: liquid  
Use level: 1 to 3%  
Preservative free

### Xylishine™ C

Xylitylglucoside,  
Anhydroxylitol, Maltitol, Xylitol,  
Pelvetia Canaliculata Extract



#### The scalp & fiber restorer for beautiful hair

##### Hair benefits

- Increase shine of all type of hair
- Improve Curl definition
- Decrease frizz
- Adapted to different hair textures & climates

##### Mode of action

- Repair damaged cuticles

##### Nature

Seaweed & sugar derivatives  
complex technology

Solubility: water soluble  
Form: liquid  
Use level: 3%

## SCALP CARE

### Alariane™ CV

Aqua/Water, Butylene Glycol\*,  
Alaria Esculenta Extract



\*Plant-based & Renewable

#### Scalp protector

##### Benefits on volunteers

- Scalp protection from inflammation caused by pollution
- Scalp lipids protection from oxidation

##### Nature

The Irish wakame,  
superfood from the sea

Solubility: water soluble  
Form: liquid  
Use level: 0.5 to 1%  
Preservative free

### Bioenergizer™ P BG PF

Aqua/Water, Butylene Glycol\*, Panthenol,  
Propylene Glycol, Pelvetia Canaliculata  
Extract, Laminaria Digitata Extract



\*Plant-based & Renewable

#### Density & growth booster

##### Benefits on volunteers

- Hair density: +10%
- Hair length: +27%

##### Nature

3-in-1 tonic cocktail with panthenol,  
channeled wrack & oarweed extracts

Solubility: water soluble  
Form: liquid  
Use level: 5%  
Preservative free

### Blue Seakale HC

Aqua/Water, Butylene Glycol\*,  
Crambe Maritima Leaf Extract



\*Plant-based & Renewable

#### Hair protection & nutrition

##### Scalp benefit

- Antioxidant

##### Nature

Sea Kale extract

Solubility: water soluble  
Form: liquid  
Use level: 1%  
Preservative free

### Fluidipure™ 8G

Hexylene Glycol, Capryloyl Glycine,  
Xylitylglucoside



#### Scalp & skin cocoon protector

##### Benefits on volunteers

- Within 10 shampoos at 2.5%:
- Scalp irritation is significantly reduced
- Dandruff are drastically decreased
- Bad odour intensity is significantly reduced

##### Mode of action

- Contributing to the microbiota balance, it helps decreasing dandruff & unpleasant odours on the scalp

##### Nature

Biovectorized glycine (lipoaminoacids)  
& sugar

Solubility: water soluble  
Form: liquid  
Use level: 2.5 to 5%  
Preservative free

Other version available:  
**Lipacide™ C8G** (purified powder  
form, see p.16)







# RHEOLOGY MODIFIERS

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## Multi-performance & attractive textures

From the iconic **Sepigel 305™** to the hybrid grades and 100% natural origin ones, **Seppic Beauty Care** has never stopped innovating in polymers.

Beyond **rheology modification**, our expertise in polymer science brings **additional advantages** such as emulsifying/stabilizing or texturizing properties which open a **new world of creativity** to formulators.

- **Easy to use**
- **High performance**
- An infinite source of **unique sensory experiences** & emotional benefits

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p.34 **Natural origin polymers**

p.35 **Hybrid polymers**

p.36 **Classic polymers**

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A-Z INDEX, p.59





# Natural origin polymers<sup>(1)</sup>

## Solagum™ AX

Acacia Senegal Gum, Xanthan Gum



### Smart natural polymer

#### Benefits

- Innovative association of natural gums
- Thickening & stabilizing polymer
- Wide pH range stability
- Film-forming properties
- Moisturization up to 8 hours
- Suspensive power
- Synergistic efficiency with Solagum™ TARA, other natural gums & synthetic polymers
- Readily biodegradable

#### Sensorial profile

- Fresh skin feel

Type: anionic  
Form: powder  
Function: thickening, stabilizing, suspending  
pH of use: 3-12  
Preservative free / EO free

## Solagum™ GM

Glucomannan



### The extra thickening & moisturizing natural gum with supreme comfort

#### Benefits

- Extra thickening 100% natural gum
- Moisturization up to 24 hours
- Supreme comfortable skin feel
- Resistance to electrolytes
- Great compatibilities with wide range of ingredients
- Synergistic efficiency with natural gums & synthetic polymers
- Readily biodegradable

#### Sensorial profile

- Smooth texture
- Cushiony, comfortable & rich skin feel

Type: non ionic  
Form: powder  
Function: thickening, texturizing  
pH of use: 4-10  
Preservative free / EO free

## Solagum™ TARA

Caesalpinia Spinosa Gum



### Thicken with elegance

#### Benefits

- 100% plant based tara gum polymer
- Great thickening capability
- Resistance to electrolytes
- Wide compatibility with cosmetic ingredient
- Ideal for natural hair care applications: volume control
- In foaming products: provides softer & creamier foam
- Synergistic action with Sepimax Zen™, Sepinov™, Solagum™ AX & other natural gums
- Readily biodegradable

#### Sensorial profile

- Non stringy texture
- Unctous & elegant touch

Type: non ionic  
Form: powder  
Function: thickening, texturizing  
pH of use: 3-12  
Preservative free / EO free

(1) Natural Origin Content (NOC) >99% according to ISO 16128 norm.

# Hybrid polymers<sup>(2)</sup>

## Sepilife™ G305

Acrylamide/Sodium Acryloyldimethyltaurate Copolymer, C15-19 Alkane\*, Polyglyceryl-10 Laurate\*, Polyglycerin-10\*



\*Plant-based & Renewable

### The legacy of Sepigel 305™ with high naturality

#### Benefits

- Oil & surfactant from natural origin
- Compatible with ethylene oxide free formulas
- Inherently biodegradable

#### Sensorial profile

- Easy spreading & soft afterfeel

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free / EO free

## Sepilife™ Nude

Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane\*, Polyglyceryl-6 Laurate\*, Polyglycerin-6\*



\*Plant-based & Renewable

### Sustainably designed polymer with nude sensation

#### Benefits

- Oil & surfactant from natural origin
- Compatible with ethylene oxide free formulas
- Can be used as the primary emulsifier or thickener
- For sprayable, fluid or thick formulas
- Inherently biodegradable

#### Sensorial profile

- Quick-break & nude skin feel

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 5.5-11  
Preservative free / EO free

## Simulgel™ NS

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Squalane\*, Polysorbate 60



\*Plant-based & Renewable

### Sustainably designed for sprayable to thick texture

#### Benefits

- Based on vegetable origin squalane
- Excellent sprayability
- For ultra fluid to thick formulas
- DHA compatible
- Excellent tolerance for mechanically irritated skin

#### Sensorial profile

- Fresh & melting texture
- Quick-break & light skin feel

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free

(2) Natural Origin Content (NOC) >50% according to ISO 16128 norm.



# Classic polymers<sup>(3)</sup>

## Sepigel 305™

Polyacrylamide, C13-14 Isoparaffin, Laureth-7



### The original solution

#### Benefits

- The original solution as multifunctional polymer

#### Sensorial profile

- Soft & rich texture

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free

## Sepimax Zen™

Polyacrylate Crosspolymer-6



### Boost creativity with serenity

#### Benefits

- Maximum resistance to electrolytes
- Clear aqueous gels
- Suspending properties
- Film-forming
- Activator of positive emotions
- Highly compatible with ethanol & other solvents
- In foaming products: foam texturizing in classic & sulfate-free formulas
- Excellent tolerance for intimate hygiene & oral care
- Inherently ultimately biodegradable

#### Sensorial profile

- Innovative & surprising texture
- Rich & elegant velvety skin feel
- In foaming products: softer & creamier foam

Type: anionic  
Form: powder  
Function: thickening, stabilizing, suspending  
pH of use: 3-8  
Preservative free

## Sepinov™ EMT 10

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer



### Outstanding versatile power

#### Benefits

- Good resistance to electrolytes
- Excellent oil stabilizing property
- Excellent sprayability
- Translucent aqueous gels
- Activator of positive emotions
- DHA compatible
- Excellent tolerance for baby care, mechanically irritated skin, intimate hygiene & oral care
- Inherently ultimately biodegradable

#### Sensorial profile

- Satiny & fresh touch

Type: anionic  
Form: powder  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free

## Sepinov™ P88

Acrylate/Acryloyldimethyltaurate/Dimethylacrylamide Crosspolymer



### EO free silky sensation

#### Benefits

- Compatible with ethylene oxide free formulas
- Good resistance to electrolytes
- DHA compatible

#### Sensorial profile

- Smooth texture & silky skin feel

Type: anionic  
Form: powder  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free / EO free

## Sepinov™ WEO

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer



### EO free universal concept

#### Benefits

- Universal polymer compatible with ethylene oxide free formulas
- Good resistance to electrolytes
- Excellent sprayability
- Translucent aqueous gels
- DHA compatible
- Inherently ultimately biodegradable

#### Sensorial profile

- Satiny & fresh touch

Type: anionic  
Form: powder  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free / EO free

## Sepiplus™ 265

Acrylamide/Ammonium Acrylate Copolymer, Polyisobutene, Polysorbate 20



### Concentrated & Powerful

#### Benefits

- Good resistance to electrolytes

#### Sensorial profile

- Silicone-like touch, glide-on sensation & easy spreading

Type: anionic  
Form: concentrated liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 5.5-11  
Preservative free

## Sepiplus™ 400

Polyacrylate-13, Polyisobutene, Polysorbate 20



### Gliding & elegant touch

#### Benefits

- Good resistance to electrolytes
- Activator of positive emotions
- Versatile & good compatibility with different coatings of titanium dioxide for sun care

#### Sensorial profile

- Silicone-like touch, glide-on sensation & easy spreading

Type: anionic  
Form: concentrated liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free

## Sepiplus™ K

Polyacrylate-13, Hydrogenated Polyisobutene, Polyglyceryl-10 Laurate\*



### EO free gliding touch

#### Benefits

- Compatible with ethylene oxide free formulas
- Good resistance to electrolytes

#### Sensorial profile

- Silicone-like touch, glide-on sensation & easy spreading

Type: anionic  
Form: concentrated liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free / EO free

## Sepiplus™ S

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Polyisobutene, PEG-7 Trimethylolpropane Coconut Ether



### Absolute comfort

#### Benefits

- Excellent resistance to electrolytes
- DHA compatible

#### Sensorial profile

- Long lasting comfortable sensation

Type: anionic  
Form: concentrated liquid  
Function: thickening, stabilizing, texturizing  
pH of use: 3-11  
Preservative free

## Simulgel™ 600

Acrylamide/Sodium  
Acryloyldimethyltaurate Copolymer,  
Isohexadecane, Polysorbate 80



### 305 remodeled

**Benefits**  
• Alternative choice to Sepigel 305™

**Sensorial profile**  
• Soft & supple texture

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 3-11  
Preservative free

## Simulgel™ EG

Sodium Acrylate/Sodium  
Acryloyldimethyl Taurate Copolymer,  
Isohexadecane, Polysorbate 80



### Excellent gentleness

**Benefits**  
• For sprayable fluid to thick formulas

**Sensorial profile**  
• Soft & light texture

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 5-11  
Preservative free

## Simulgel™ EG QD

Sodium Acrylate/Sodium  
Acryloyldimethyl Taurate Copolymer,  
Isohexadecane, Polysorbate 80



### QD approved liquid polymer

**Benefits**  
• For sprayable fluid to thick formulas

**Sensorial profile**  
• Soft & light texture

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 5-11  
Preservative free

## Simulgel™ FL

Hydroxyethyl Acrylate/Sodium  
Acryloyldimethyl Taurate Copolymer,  
Isohexadecane, Polysorbate 80



### Easily stabilize fluid formulations

**Benefits**  
• Perfect stabilizer for fluid emulsions  
• DHA compatible

**Sensorial profile**  
• Light & fresh texture

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 3-11  
Preservative free

## Simulgel™ INS 100

Hydroxyethyl Acrylate/Sodium  
Acryloyldimethyl Taurate Copolymer,  
Isohexadecane, Polysorbate 60



### Spray it, pour it & spread it

**Benefits**  
• Versatile polymer  
• Excellent sprayability  
• For ultra fluid to thick formulas  
• Generates pleasure to consumers  
• DHA compatible

**Sensorial profile**  
• Fresh & melting texture  
• Quick-break & light skin feel

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 3-11  
Preservative free

## Simulgel™ SMS 88

Sodium Acrylate/Acryloyldimethyltaurate/  
Dimethylacrylamide Crosspolymer,  
Isohexadecane, Polysorbate 60



### Smooth multi solutions

**Benefits**  
• DHA compatible

**Sensorial profile**  
• Cushiony, rich & supple texture

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 3-11  
Preservative free

## Simulquat™ HC 305

Acrylamidopropyltrimonium Chloride/  
Acrylates Copolymer, Isohexadecane,  
Coceth-7



### Multifunctional rheomodifier designed for hair care

**Benefits**  
• Improved stability in acidic media  
• Creates an infinite range of textures  
• Conditioning effect in all type of application  
• Film-forming & thermal protection  
• Cold processable

**Sensorial profile**  
• Silicone-like feel

Type: anionic  
Form: classic liquid  
Function: thickening, stabilizing,  
texturizing  
pH of use: 3-6  
Preservative free





# EMULSIFIERS

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## Smart conscious solutions

Based on raw materials of plant origin, alcohols, fatty acids & sugars, **Seppic Beauty Care eco-designs responsible chemistry** suited for Personal Care.

Seppic's green specialities ensure:

- Performance
- Efficacy
- Safety
- Pleasurable use

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p.42 Natural  
O/W emulsifiers

p.44 Natural  
W/O emulsifiers

p.45 Classic  
W/O & O/W emulsifiers

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A-Z INDEX, p.59



# Natural O/W emulsifiers

## Fluidifeel™ Easy

Lauryl Glucoside, Myristyl Glucoside,  
Polyglyceryl-6 Laurate



### The emulsifier for fast & easy cold processed formulation

#### Benefits

- Easily creates thick, fluid & sprayable formulations
- Good emulsifying performances
- Versatility with different oil types, up to 60% of oils
- Hot & cold processable - Save time & energy during process

#### Sensorial profile

- Soft & light skin feel
- Naked skin effect

Form: liquid to semi-solid  
Function: O/W emulsifier  
Preservative free

## Montanov™ 14

Myristyl Alcohol, Myristyl Glucoside



### Co-emulsifier & green consistency agent

#### Benefits

- Helps to increase the emulsion viscosity & stability

#### Sensorial profile

- Neutral skin feel

Form: solid pellets  
Function: O/W co-emulsifier,  
texturizing agent  
Preservative free

## Montanov™ 202

Arachidyl Alcohol, Behenyl Alcohol,  
Arachidyl Glucoside



### For biomimetic textures

#### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours & restructuring effect (*in vivo* proven)
- High pigment compatibility
- Good compatibility with H<sub>2</sub>O<sub>2</sub>
- Fluid to cream textures

#### Sensorial profile

- Soft, light & matte finish

Form: solid pellets  
Function: O/W emulsifier  
Preservative free

## Montanov™ 68 MB

Cetearyl Alcohol, Cetearyl Glucoside



### The bio-based pioneer

#### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours (*in vivo* proven)
- Cream to thick cream textures

#### Sensorial profile

- Soft, rich & unctuous skin feel

Form: solid pellets  
Function: O/W emulsifier  
Preservative free

## Montanov™ 82

Cetearyl Alcohol, Coco-Glucoside



### Versatile performance

#### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours (*in vivo* proven)
- Good compatibility with organic & inorganic sunscreens
- High pigment compatibility
- Versatile textures: from spray to thick creams

#### Sensorial profile

- Soft, rich & unctuous skin feel

Form: solid pellets  
Function: O/W emulsifier  
Preservative free

## Montanov™ L

C14-22 Alcohols, C12-20 Alkyl Glucoside



### Creator of endless textures

#### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours & up to 24 hours in combination with Aquaxyl™ (*in vivo* proven)
- Active emulsifier: boosts the perceptible effect of Sakadikium™ on the skin complexion (*in vivo* proven)
- High pigment compatibility
- Versatile textures: from spray to thick creams

#### Sensorial profile

- Soft & light skin feel

Form: solid pellets  
Function: O/W emulsifier  
Preservative free

## Montanov™ S

Coco-Glucoside, Coconut Alcohol



### Excellent universal co-emulsifier

#### Benefits

- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours (*in vivo* proven)
- Good compatibility with organic & inorganic sunscreens
- Texturizing agent for foaming formulas

#### Sensorial profile

- Neutral skin feel

Form: solid pellets  
Function: O/W emulsifier  
Preservative free

# Natural W/O emulsifiers

## Fluidanov™ 20X

Octyldodecanol - Octyldodecyl Xyloside



### Multifunctional natural liquid co-emulsifier

#### Benefits

- Natural co-emulsifier for emulsions with a cold process
- Stability and sensoriality partner for O/W, W/O emulsions and cream-gels
- Solubilising partner for active ingredients
- Pigments dispersion partner for make-up

#### Sensorial profile

- Conventional W/O emulsions: soft, silky, easy to spread & non sticky skin feel
- Cream gels & O/W emulsions: soft & emollient skin feel

Form: liquid  
Function: W/O co-emulsifier  
Preservative free

## Montane™ 20

Sorbitan Laurate



#### Benefits

- Non-ionic lipophilic emulsifier derived from vegetable origin

Form: liquid  
HLB: =8.6  
Preservative free

## Montane™ 60 Ecailles

Sorbitan Stearate



#### Benefits

- Non-ionic lipophilic emulsifier derived from vegetable origin

Form: solid flakes  
HLB: =4.7  
Preservative free

## Montane™ 70

Sorbitan Isostearate



#### Benefits

- Non-ionic lipophilic emulsifier derived from vegetable origin

Form: liquid  
HLB: =4.3  
Preservative free

# Classic W/O & O/W emulsifiers

## Cire de Lanol CTO

Cetearyl Alcohol, Cetareth-33



#### Benefits

- O/W self emulsifying base

Form: solid flakes  
HLB: =15.6  
Preservative free

## Easynov™

Octyldodecanol, Octyldodecyl Xyloside, PEG-30 Dipolyhydroxystearate



### Cold processed emulsifier for classical W/O & Geltrap™

#### Benefits

- Emulsifier for conventional W/O emulsions even rich in water with a cold process
- Key ingredient to create patented technology Geltrap™ emulsions extra-rich in water with a low shear (low energy consumption) & cold process

#### Sensorial profile

- Conventional W/O emulsions: soft, silky, easy to spread & non sticky skin feel
- Geltrap™ emulsions: fresh, soft, cushion & comfortable sensation

Form: liquid  
Function: W/O emulsifier, Geltrap™ emulsifier  
Preservative free

## Montanox™ 20 DF

Polysorbate 20



#### Benefits

- Hydrophilic emulsifier solubilizing agent

Form: liquid  
HLB: =16.7  
Preservative free

## Montanox™ 80 VG DF

Polysorbate 60



#### Benefits

- Hydrophilic emulsifier, solubilizing agent

Form: liquid  
HLB: =15  
Preservative free

## Sensanov™ WR

C20-22 Alkyl Phosphate, C20-22 Alcohols



### Sensation & Protection

#### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils up to 50%
- Skin protection against environmental pollutants
- Good compatibility with organic & inorganic sunscreens
- High pigment compatibility
- Water resistant property
- Fluid to cream textures

#### Sensorial profile

- Light, velvet & powdery skin feel

Form: solid flakes  
Function: O/W emulsifier,  
Preservative free

## Simulsol™ 165

PEG-100 Stearate, Glycerol Stearate



#### Benefits

- O/W self emulsifying base

Form: solid pellets  
HLB: =11  
Preservative free

## Simulsol™ CS Ecailles

Cetareth-33



#### Benefits

- Hydrophilic emulsifier

Form: solid flakes  
HLB: =16.2  
Preservative free



# SENSORY INGREDIENTS

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## A palette of solutions & sensations

Our expertise in **sensorial & texture analysis**, together with our constant follow-up of **future market trends** bring you creative ideas and inspirational formulations.

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p.48 **Liquid emollients**

p.50 **Waxes**

p.51 **Powders**

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A-Z INDEX, p.59



# Liquid emollients

## Emogreen™ C69

C15-19 Alkane\*, Coco-Caprylate/Caprates



\*Plant-based & Renewable

### Cocoon green emollient

#### Benefits

- Sustainable sensory alternative to Dimethicone in formulation
- Readily biodegradable

#### Sensorial profile

- Soft, extra-comfortable & powdery veil

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 8.6 mPa.s

## Emogreen™ HP 40

C15-19 Alkane\*, Hydrogenated Polyfarnesene\*



\*Plant-based & Renewable

### Comfort & film forming emollient

#### Benefits

- Sustainable alternative to heavy silicones & mineral oils in formulation
- Film forming properties
- Luxurious skin feel

#### Sensorial profile

- Soft, supple & silky protective effect

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 750 mPa.s

## Emogreen™ L15

C15-19 Alkane\*



\*Plant-based & Renewable

### Very light bio-based emollient

#### Benefits

- Sustainable alternative to volatile silicone oils
- Suitable for hair care applications
- Readily biodegradable

#### Sensorial profile

- Fresh & gliding sensation, powdery afterfeel

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 4.5 mPa.s

## Emogreen™ L19

C15-19 Alkane\*



\*Plant-based & Renewable

### Light bio-based emollient

#### Benefits

- Sustainable alternative to silicone oils
- Suitable for skin, body & sun care applications
- Readily biodegradable

#### Sensorial profile

- Fresh & gliding sensation, soft afterfeel

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 9 mPa.s

## Emosmart™ C28

C21-28 Alkane



### Glossy comfort emollient

#### Benefits

- Skin comfort
- Radiant effect

#### Sensorial profile

- Extra comfortable finish

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 26 mPa.s

## Emosmart™ L15

C13-15 Alkane



### Very light emollient

#### Benefits

- Excellent compatibility with esters, vegetable & mineral oils
- High spreadability
- Silky afterfeel
- Readily biodegradable

#### Sensorial profile

- Fresh & vanishing texture, dry & matt veil

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 4.5 mPa.s

## Emosmart™ L19

C15-19 Alkane



### Light emollient

#### Benefits

- Excellent compatibility with esters, vegetable & mineral oils
- Helps to disperse mineral filters (TiO<sub>2</sub>/ZnO)
- Readily biodegradable

#### Sensorial profile

- Fresh & vanishing texture, matt veil

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 8.5 mPa.s

## Emosmart™ V21

C18-21 Alkane



### Versatile emollient

#### Benefits

- Excellent compatibility with esters, vegetable & mineral oils
- Comfort with silky touch
- Readily biodegradable

#### Sensorial profile

- Fresh texture, soft finish & matt veil

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 13.5 mPa.s

## Lanol 1688

Cetearyl Ethylhexanoate



### Comfortable emollient

#### Benefits

- Water repellent

#### Sensorial profile

- Soft & light

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 16 mPa.s

## Lanol 2681

Coco-Caprylate/Caprates



### Green universal oil

#### Benefits

- Superfating agent

#### Sensorial profile

- Soft & light

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 9 mPa.s

## Lanol 37 T

Triheptanoic



### Sun care specialist

#### Benefits

- Solubilizes organic sunscreens

#### Sensorial profile

- Soft & light

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 100 mPa.s

## Lanol 99

Isononyl Isononanoate



### Liquid silk

#### Benefits

- Versatile ester emollient
- Improves spreadability and skin comfort

#### Sensorial profile

- Soft & light

Solubility: liposoluble  
Form: liquid  
Function: emollient  
Viscosity: 6 mPa.s

# Waxes

## Lanol 14M

Myreth-3 Myristate



### Melting balm

#### Benefits

- Helps to improve the texture & stability of emulsions

#### Sensorial profile

- Soft, rich & unctuous skin feel
- Easy to spread

**Melting point:** -30°C  
**Form:** waxy solid  
**Function:** consistency agent, O/W co-emulsifier

## Lanol P Ecailles

Glycol Palmitate



### A solid wax with a soft touch

#### Benefits

- Helps to improve the consistency & stability of emulsions

#### Sensorial profile

- Soft, rich & unctuous skin feel
- Easy to spread

**Melting point:** 60 - 65°C  
**Form:** solid flakes  
**Function:** consistency agent

## Montanov™ 14

Myristyl Alcohol, Myristyl Glucoside



### Green texturizer

#### Benefits

- Green consistency agent providing onctuous melting texture & stable viscosity

#### Sensorial profile

- Neutral skin feel
- Easy to spread

**Melting point:** 46 - 50°C  
**Form:** solid pellets  
**Function:** consistency agent, O/W co-emulsifier

## Sepifeel™ One

Palmitoyl Proline, Magnesium Palmitoyl Glutamate, Sodium Palmitoyl Sarcosinate



### Sensorial enhancer

#### Benefits

- Helps to improve the texture & stability of emulsions
- Helps to disperse pigments

#### Sensorial profile

- Rich, unctuous & creamy skin feel

**Melting point:** 46 - 60°C  
**Form:** solid granules  
**Function:** texturizer, O/W co-emulsifier

# Powders

## Phycocorail™

Lithothamnion Calcareum Powder, Mannitol, Diatomaceous Earth, Zinc Sulfate



### Ocean powder

#### Mode of action

- 30% oil absorption
- Anti shine
- High porosity, very large specific surface

#### Sensorial profile

- Matte & dry effect

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** <100 µm

## Sepimat™ CP 5

Methyl Methacrylate Crosspolymer



### Quintessential texture

#### Benefits

- Ultra-soft powder with a smooth surface
- Leaves a soft & powdery feel onto the skin with a matte finish

#### Sensorial profile

- Powdery & light sensation

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm

## Sepimat™ H10 FW

Methyl Methacrylate Crosspolymer, Squalane



### Pure texture

#### Benefits

- Hollow hemispheres with a smooth surface that deliver softness & a matte effect in formulation
- Excellent oil absorption capacity
- Elaborated with vegetable based oil

#### Sensorial profile

- Ultra soft afterfeel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm

## Sepimat™ HB V

Methyl Methacrylate Crosspolymer



### Opulent & majestic texture

#### Benefits

- Hollow & ultra light powder that impart a "velvet" effect at low use levels (0.5%) especially in formulas containing low levels of oily materials

#### Sensorial profile

- Powdery textures
- Ultimate softness & silky afterfeel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm

## Sepimat™ P

Polymethyl Methacrylate



### Unique hydro-dispersible powder

#### Benefits

- Smooth & versatile powder: perfect choice for all types of skin care formulation

#### Sensorial profile

- Soft afterfeel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm

## Sepimat™ SB

Methyl Methacrylate Crosspolymer



### Fine & sprayable powder

#### Benefits

- Absorbent, soft powder ideal for soft skin & matte appearance
- Versatile & easy-to-disperse powder suitable for all types of formulations
- Adapted for fluid or sprayable formulations due to its fine granulometry

#### Sensorial profile

- Powdery nude skin feel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 1 to 5 µm





# FUNCTIONAL ADDITIVES

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## Playful softness & protection

Specially designed for gentle cleansing, sensorial foams & softly protected beauty care products.

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### p.54 Foaming & solubilizing agents

Mild amino acid-derived anionic surfactants  
Natural sugar-based non-ionic surfactants  
Optimized surfactant blends  
Classical surfactants & solubilizers

### p.57 Preservatives & boosters

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A-Z INDEX, p.59



# Foaming & solubilizing agents

## NATURAL SUGAR-BASED NON-IONIC SURFACTANTS

### Oramix™ CG 110

Caprylyl/Capryl Glucoside



#### 100% bio-based solubilizer & foaming booster

##### Benefits

- High foaming & cleansing performances
- High performance solubilizer (essential oils, fragrances, preservatives & cationic surfactants)
- Readily biodegradable

##### Sensorial profile

- Light foam

Type: non-ionic  
Form: liquid to paste  
Function: foaming, solubilizing, co-emulsifying  
Dry extract: 60%

### Oramix™ NS 10

Decyl Glucoside



#### 100% bio-based with a high foaming power

##### Benefits

- Greater foaming power compared to LesNa
- Easy to thicken
- Performing & well tolerated cleanser
- Readily biodegradable

##### Sensorial profile

- Light & abundant foam

Type: non-ionic  
Form: liquid  
Function: foaming agent  
Dry extract: 55%

### Sepiclear™ G7

Heptyl Glucoside



#### Eco-friendly solubilizer & preservative booster

##### Benefits

- Concentrated cold processable solubilizer
- Non foaming solubilizer
- Preservative booster
- Make-up remover ability
- Mild to the skin & mucous membranes
- Readily biodegradable

Type: non-ionic  
Form: liquid  
Function: solubilizer, hydrotropic agent  
Dry extract: 70-75%  
100% bio-sourced  
Non ethoxylated & Preservative-free

## OPTIMIZED SURFACTANT BLENDS

### Oramix™ GB 10

Decyl Glucoside, Cocamidopropyl Betaine



#### The cold climate optimal blend

##### Benefits

- Compatible with all surfactants regardless the type

##### Sensorial profile

- Abundant & stable foam

Type: non-ionic/amphoteric  
Form: liquid  
Function: foaming agent  
Dry extract: 40%

### Oronal LCG E OD

PEG-40 Glycerol Cocoate, Sodium Coceth Sulfate



#### Extreme mildness

##### Benefits

- Colorless & odorless surfactant
- Outstanding eye & skin tolerance
- Ideal for micellar water & facial cleansers
- Ideal for sensitive & fragile skin

##### Sensorial profile

- Soft foam

Type: non-ionic/anionic  
Form: liquid  
Function: foaming agent  
Dry extract: 50%  
Preservative-free

## MILD AMINO ACID-DERIVED ANIONIC SURFACTANTS

### Oramix™ L30

Sodium Lauroyl Sarcosinate



#### Great alternative for SLES-free formulations

##### Benefits

- Superior foaming ability to SLES
- Produces a soft & abundant foam
- Readily biodegradable

##### Sensorial profile

- Light & soft foam

Type: anionic  
Form: liquid  
Function: foaming agent  
Dry extract: 30%

### Proteol™ APL HEF

Sodium Cocoyl Apple Amino Acids



#### Mild amino acid surfactant for foam that cares

##### Benefits

- Lipoaminoacid designed from amino acids characteristic of apple
- Suitable for Alkyl Ether Sulfate-free formulas
- Readily biodegradable
- Respects the skin's natural barrier
- Good skin compatibility including with mucous membranes
- Abundant foam volume & foam boosting effect of SLES

##### Sensorial profile

- Thin, dense foam
- Elegant sensoriality

Type: anionic  
Form: liquid  
Function: foaming agent  
Dry extract: 31%  
Preservative & EDTA-free

### Proteol™ OAT PF

Sodium Lauroyl Oat Amino Acids



#### Naturally inspired, for extreme mildness

##### Benefits

- Lipoaminoacid designed from amino acids characteristic of oat
- Rich foam, unctuous texture
- Excellent tolerance, minimal delipidation
- Readily biodegradable

##### Sensorial profile

- Dense & unctuous foam

Type: anionic  
Form: liquid  
Function: foaming agent  
Dry extract: 30%  
Paraben-free

## CLASSICAL SURFACTANTS & SOLUBILIZERS

### Amony<sup>™</sup> 380 BA C

Cocamidopropyl Betaine



- Betaine
- Provides a fine foam that is stable over time
- Stabilizes & boosts the foam of anionic surfactants

Type: amphoteric  
Form: liquid  
Dry extract: 35%  
Function: foaming agent  
Preservative free

### Amony<sup>™</sup> 675 SB

Cocamidopropyl Hydroxysultaine



- Sulfobetaine
- Substantivity enhanced at acidic pH values
- Provides light foam stable over time
- Good thickening synergy with anionic surfactants

Type: amphoteric  
Form: liquid  
Dry extract: 50%  
Function: foaming agent

### Montanox<sup>™</sup> 20 DF

Polysorbate 20



- Excellent solubilizing agent

Type: non-ionic  
Form: liquid  
HLB: =16.7  
Function: solubilizer, hydrophilic emulsifier

### Montanox<sup>™</sup> 80 VG DF

Polysorbate 80



- Solubilizing agent

Type: non-ionic  
Form: liquid  
HLB: =15  
Function: solubilizer, hydrophilic emulsifier

### Simulsol<sup>™</sup> 1293

PEG-40 Hydrogenated Castor Oil



- Non-ionic solubilizing surfactant
- Solubilizer for essential oils preservatives & cosmetic active ingredients

Type: non-ionic  
Form: liquid to paste  
HLB: =14  
Function: solubilizer  
Preservative free

### Simulsol<sup>™</sup> 220 TM

PEG-200 Glyceryl Stearate



- Non-ionic surfactant
- Thickener for foaming formulas
- Reduces irritation caused by SLES

Type: non-ionic  
Form: wax  
Function: thickener  
Preservative free

# Preservatives & boosters

## PRESERVATIVES

### Sepicide<sup>™</sup> G

Glycerin, Ethyl Lauroyl Arginate HCl



The "natural & green" preservative

- Benefits**
- It presents a very large spectrum, efficacious at low levels, biodegradable, non irritant for eyes or skin
  - Ideal for sensitive & fragile skins
  - Large MIC & challenge tests values
  - Dermopurifier & strong dandruff regulation

Solubility: water soluble  
Form: liquid

### Sepicide<sup>™</sup> HB

Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben, Butylparaben



- Benefits**
- Large activity spectrum against bacteria, yeasts & moulds

Solubility: lipodispersible  
Form: liquid

### Sepicide<sup>™</sup> LD

Phenoxyethanol



- Benefits**
- Mostly active against bacteria
  - Mostly active against Gram- bacteria
  - Inactivated by highly ethoxylated compounds

Solubility: lipodispersible  
Form: liquid

## BOOSTERS

### Fluidipure<sup>™</sup> 8G

Hexylene Glycol, Capryloyl Glycine, Xylitylglucoside



Preservative booster

- Benefits**
- Decreases the amount of conventional preservatives for a milder formulation!
  - Effective against bacteria, yeasts & moulds in a ready to use liquid form

Solubility: water soluble  
Form: liquid

### Lipacide<sup>™</sup> C8G

Capryloyl Glycine



For self-preserved formulas

- Benefits**
- Helps to reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skins
  - Boosts protection of conventional preservative against bacteria, yeasts & moulds
  - Allows preservative-free formulas

Solubility: soluble in water above pH 5  
Form: powder

### Lipacide<sup>™</sup> UG

Undecylenoyl Glycine



Preservative booster for sensitive skin

- Benefits**
- Helps to reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skins
  - Boosts protection of conventional preservative against bacteria, yeasts & moulds
  - Good synergy with Lipacide<sup>™</sup> C8G for preservation boosting

Solubility: soluble in water above pH 7

# Abbreviation list

<b>αSMA</b>	<i>alpha smooth muscle actin</i>	<b>MMF</b>	<i>marine moisturizing factor</i>
<b>AGE</b>	<i>advanced glycation end products</i>	<b>MMP</b>	<i>matrix metalloproteinase</i>
<b>AHA</b>	<i>alpha hydroxyacid</i>	<b>mTOR</b>	<i>mechanistic target of rapamycin</i>
<b>AQP</b>	<i>aquaporin</i>	<b>NFκB</b>	<i>nuclear factor kappa B</i>
<b>ATP</b>	<i>adenosine triphosphate</i>	<b>NMF</b>	<i>natural moisturizing factor</i>
<b>BG</b>	<i>butylene glycol</i>	<b>O/W</b>	<i>oil in water</i>
<b>BIP</b>	<i>binding immunoglobulin protein</i>	<b>PALGLY</b>	<i>palmitoyl glycine</i>
<b>CAMP</b>	<i>cyclic adenosine monophosphate</i>	<b>PAR2</b>	<i>proteinase activated receptor 2</i>
<b>CHOP</b>	<i>C/EBP homologous protein</i>	<b>PASI</b>	<i>psoriasis area severity index</i>
<b>COL or COLL</b>	<i>collagen</i>	<b>PEG</b>	<i>polyethylene glycol</i>
<b>COX</b>	<i>cyclooxygenase</i>	<b>PG</b>	<i>prostaglandin</i>
<b>DEJ</b>	<i>dermo-epidermal junction</i>	<b>PGE</b>	<i>prostaglandin E</i>
<b>DNA</b>	<i>desoxyribonucleic acid</i>	<b>PMMA</b>	<i>polymethylmethacrylate</i>
<b>ECM</b>	<i>extracellular matrix</i>	<b>ROS</b>	<i>reactive oxygen species</i>
<b>EDNRB</b>	<i>endothelin receptor type B</i>	<b>SKALP</b>	<i>skin derived antileukoprotease</i>
<b>GAG</b>	<i>glycoaminoglycan</i>	<b>SPA</b>	<i>sana per aquam (health thanks to water)</i>
<b>HBD</b>	<i>human beta defensin</i>	<b>TEWL</b>	<i>trans-epidermal water loss</i>
<b>HSD</b>	<i>hydro swelling droplets</i>	<b>THBS</b>	<i>thrombospondin</i>
<b>IFN</b>	<i>interferon</i>	<b>TIMP</b>	<i>tissue inhibitor of metalloproteinase</i>
<b>IL</b>	<i>interleukine</i>	<b>TNF</b>	<i>tumor necrosis factor</i>
<b>IR</b>	<i>infra-red</i>	<b>TRP</b>	<i>tyrosinase related protein</i>
<b>KLK</b>	<i>kallikrein</i>	<b>TSP1</b>	<i>thrombospondin 1</i>
<b>LTB4</b>	<i>leukotriene B4</i>	<b>UV</b>	<i>ultra-violet</i>
<b>MDA</b>	<i>malondialdehyde</i>	<b>UVA</b>	<i>ultra-violet A</i>
<b>MIC</b>	<i>minimal inhibitory concentration</i>	<b>UVB</b>	<i>ultra-violet B</i>
<b>MIC1</b>	<i>macrophage inhibitory cytokine 1</i>	<b>VEGF</b>	<i>vascular endothelial growth factor</i>
<b>MITF</b>	<i>microphthalmia associated transcription factor</i>	<b>W/O</b>	<i>water in oil</i>

## TRADEMARKS

Adipoless™, Adiposlim™, Alariane™, Ambre Oceane™, Amony™, Antileukine 6™, Aquaxyl™, Aspar'Age™, Bioenergizer™, Bioplasma™, Biorestorer™, Celebrity™, Celtosome™, Ceramosides™, Codiavelane™, Contacticel™, Easynov™, Emogreen™, Emosmart™, Ephemer™, Equibiome™, Fluidanov™, Fluidifeel™, Fluidipure™, Gulf Stream Sea Water™, Hydrachrysum™, Juvenessence™, Kalpariane™, Lipacide™, Lumipod™, Montane™, Montanov™, Montanox™, Native Essence™, Oligogeline™, Oramix™, Phlorogine™, Phycocorai™, Proteol™, Rosabora™, Sagacious™, Sakadikium™, Sculptosane™, Seashine™, Sel Grain™, Sensanov™, Sepibliss™, Sepicalm™, Sepicap™, Sepicide™, Sepiclear G7™, Sepicontrol™, Sepifeel™, Sepigel 305™, Sepilife™, Sepilift™, Sepimat™, Sepimax Zen™, Sepinov™, Sepiplus™, Sepitonic™, Sepiwhite™, Simulgel™, Simulquat™, Simulsol™, Solagum™, Subligana™, Superphyco D™, Taladvance™, Thalassine 2™, Timecode™, Voluform™ and Xylishine™ are filed or registered trademarks by Seppic.

# A-Z Index

<b>Adipoless™ Eco</b>	15, 26	Propanediol, Aqua/Water, Chenopodium Quinoa Seed Extract	
<b>Adiposlim™</b>	26	Sorbitan Laurate, Lauroyl Proline	
<b>Alariane™ CV</b>	29	Aqua/Water, Butylene Glycol*, Alaria Esculenta Extract *Plant-based & Renewable	
<b>Ambiaty Extract</b>	4	Aqua/Water, Glycerin, Vernonia Appendiculata Leaf Extract	
<b>Ambre Oceane™ 2C</b>	4, 7	Aqua/Water, Pelvetia Canaliculata Extract	
<b>Amony™ 380 BA C</b>	56	Cocamidopropyl Betaine	
<b>Amony™ 675 SB</b>	56	Cocamidopropyl Hydroxysultaine	
<b>Antileukine 6™</b>	4, 11, 22	Caprylic/Capric Triglyceride, Laminaria Ochroleuca Extract	
<b>Aquaxyl™</b>	20, 21	Xylitylglucoside, Anhydroxylitol, Xylitol	
<b>Aspar'Age™</b>	4	Aqua/Water, Propanediol*, Asparagopsis Armata Extract *Plant-based & Renewable	
<b>Bioenergizer™ P BG PF</b>	29	Aqua/Water, Butylene Glycol*, Panthenol, Propylene Glycol, Pelvetia Canaliculata Extract, Laminaria Digitata Extract *Plant-based & Renewable	
<b>Bioplasma™ BG 40</b>	8, 20	Aqua/Water, Butylene Glycol*, Plankton Extract** *Plant-based & Renewable **Plankton Origin: (species) Scenedesmus Obliquus	
<b>Bioplasma™ FA</b>	4, 9	Aqua/Water, Butylene Glycol*, Plankton Extract**, Arginine Ferulate *Plant-based & Renewable **Plankton Origin: (species) Scenedesmus Obliquus	
<b>Biorestorer™ PF</b>	28	Aqua/Water, Butylene Glycol*, Hypnea Musciformis Extract *Plant-based & Renewable	
<b>Blue Seakale HC</b>	28, 29	Aqua/Water, Butylene Glycol*, Crambe Maritima Leaf Extract *Plant-based & Renewable	
<b>Blue Seakale SC</b>	11	Caprylic/Capric Triglyceride, Crambe Maritima Leaf Extract	
<b>Celtosome™ Crithmum Maritimum</b>	5, 7, 13, 14, 22	Crithmum Maritimum Callus Culture Filtrate	
<b>Celtosome™ Eryngium Maritimum</b>	5	Eryngium Maritimum Callus Culture Filtrate	
<b>Ceramosides™ HP</b>	15, 18, 21, 23	Glycosphingolipids, Glycolipids	
<b>Cire de Lanol CTO</b>	45	Cetearyl Alcohol, Ceteareth-33	
<b>Codiavelane™ BG PF</b>	20	Butylene Glycol*, Aqua/Water, Codium Tomentosum Extract *Plant-based & Renewable	
<b>Contacticel™</b>	10, 16	Aqua/Water, Butylene Glycol*, Hydrolyzed Rhodophyceae Extract *Plant-based & Renewable	
<b>Easynov™</b>	45	Octyldodecanol, Octyldodecyl Xyloside, PEG-30 Dipolyhydroxystearate	
<b>Embelia Extract</b>	22	Glycerin, Aqua/Water, Embelia Concinna Leaf Extract	
<b>Emogreen™ C69</b>	48	C15-19 Alkane*, Coco-Caprylate/Caprates *Plant-based & Renewable	
<b>Emogreen™ HP 40</b>	48	C15-19 Alkane*, Hydrogenated Polyfarnesene* *Plant-based & Renewable	
<b>Emogreen™ L15</b>	48	C15-19 Alkane* *Plant-based & Renewable	
<b>Emogreen™ L19</b>	48	C15-19 Alkane* *Plant-based & Renewable	



<b>Emosmart™ C28</b>	48	C21-28 Alkane							
<b>Emosmart™ L15</b>	48	C13-15 Alkane							
<b>Emosmart™ L19</b>	49	C15-19 Alkane							
<b>Emosmart™ V21</b>	49	C18-21 Alkane							
<b>Ephemer™</b>	5, 9	Caprylic/Capric Triglyceride, Undaria Pinnatifida Extract							
<b>Equibiome™</b>	18	Propylene Glycol, Aqua/Water, Arctium Lappa Root Extract							
<b>Fluidanov™ 20X</b>	44	Octyldodecanol, Octyldodecyl Xyloside							
<b>Fluidifeel™ Easy</b>	42	Lauryl Glucoside, Myristyl Glucoside, Polyglyceryl-6 Laurate							
<b>Fluidipure™ 8G</b>	16, 18, 29, 57	Hexylene Glycol, Capryloyl Glycine, Xylitylglucoside							
<b>Gulf Stream Sea Water™</b>	8	Sea Salt							
<b>Heterosides</b>	5	Centella Asiatica Leaf Extract							
<b>Hydrachrysum™</b>	20	Aqua/Water, Glycerin, Helichrysum Stoechas Callus Culture Lysate							
<b>Inula HC</b>	28, 30	Caprylic/Capric Triglyceride, Inula Crithmoide Flower/Leaf Extract							
<b>Juvenessence™</b>	5, 10, 11	Caprylic/Capric Triglyceride, Alaria Esculenta Extract							
<b>Kalpariane™</b>	25	Caprylic/Capric Triglyceride, Alaria Esculenta Extract							
<b>Lanol 14 M</b>	50	Myreth-3 Myristate							
<b>Lanol 1688</b>	49	Cetearyl Ethylhexanoate							
<b>Lanol 2681</b>	49	Coco-Caprylate/Caprate							
<b>Lanol 37 T</b>	49	Triheptanoin							
<b>Lanol 99</b>	49	Isononyl Isononanoate							
<b>Lanol P Ecailles</b>	50	Glycol Palmitate							
<b>Lipacide™ C8G</b>	16, 17, 57	Capryloyl Glycine							
<b>Lipacide™ UG</b>	16, 57	Undecylenoyl Glycine							
<b>Lumipod™</b>	15	Isosorbide, Capryloyl/Capryloyl Leucine Isosorbide Esters							
<b>Madecassoside</b>	22	Madecassoside							
<b>Montane™ 20</b>	44	Sorbitan Laurate							
<b>Montane™ 60 Ecailles</b>	44	Sorbitan Stearate							
<b>Montane™ 70</b>	44	Sorbitan Isostearate							
<b>Montanov™ 14</b>	42, 50	Myristyl Alcohol, Myristyl Glucoside							
<b>Montanov™ 202</b>	42	Arachidyl Alcohol, Behenyl Alcohol, Arachidyl Glucoside							
<b>Montanov™ 68 MB</b>	42	Cetearyl Alcohol, Cetearyl Glucoside							
<b>Montanov™ 82</b>	42	Cetearyl Alcohol, Coco-Glucoside							
<b>Montanov™ L</b>	43	C14-22 Alcohols, C12-20 Alkyl Glucoside							

Certifications & approvals legend: see p.64

<b>Montanov™ S</b>	43	Coco-Glucoside, Coconut Alcohol							
<b>Montanox™ 20 DF</b>	45, 56	Polysorbate 20							
<b>Montanox™ 80 VG DF</b>	45, 56	Polysorbate 80							
<b>Native Essence™</b>	10, 14	Caprylic/Capric Triglyceride, Crithmum Maritimum Extract							
<b>Oleaphycol CM</b>	27	Caprylic/Capric Triglyceride, Crithmum Maritimum Extract							
<b>Oleaphycol FV</b>	27	Caprylic/Capric Triglyceride, Fucus Vesiculosus Extract							
<b>Oligogeline™ PF</b>	10, 20	Aqua/Water, Chondrus Crispus Extract							
<b>Oramix™ CG 110</b>	55	Caprylyl/Capryl Glucoside							
<b>Oramix™ GB 10</b>	55	Decyl Glucoside, Cocamidopropyl Betaine							
<b>Oramix™ L 30</b>	54	Sodium Lauroyl Sarcosinate							
<b>Oramix™ NS 10</b>	55	Decyl Glucoside							
<b>Oronal LCG E OD</b>	55	PEG-40 Glyceryl Cocoate, Sodium Coceth Sulfate							
<b>Phlorogine™ CV</b>	17	Aqua/Water, Butylene Glycol, Laminaria Saccharina Extract							
<b>Phycocorail™</b>	11, 51	Lithothamnion Calcareum Powder, Mannitol, Diatomaceous Earth, Zinc Sulfate							
<b>Proteol™ APL HEF</b>	54	Sodium Cocoyl Apple Amino Acids							
<b>Proteol™ OAT PF</b>	54	Sodium Lauroyl Oat Amino Acids							
<b>Rosabora™</b>	23	Tambourissa Trichophylla Leaf Extract							
<b>Sagacious™</b>	6	Propanediol, Himanthalia Elongata Extract							
<b>Sakadikium™</b>	10, 11, 14	Glycerin, Aqua/Water, Hedychium Coronarium Root Extract							
<b>Sculptosane™</b>	25	Aqua/Water, Butylene Glycol, Plankton Extract*, Arginine Ferulate *Plankton Origin: (species) Scenedesmus Obliquus							
<b>Sea Lavender HC</b>	28, 30	Aqua/Water, Butylene Glycol, Limonium Gerberi Extract *Plant-based & Renewable							
<b>Sea Lavender SC</b>	7, 12	Caprylic/Capric Triglyceride, Limonium Gerberi Extract							
<b>Sea Mayweed SC</b>	23	Aqua/Water, Tripleurospermum Maritimum Extract							
<b>Seashine™</b>	13	Aqua/Water, Butylene Glycol*, Alaria Esculenta Extract, Undaria Pinnatifida Extract *Plant-based & Renewable							
<b>Sea Starwort Oil</b>	23	Caprylic/Capric Triglyceride, Aster Tripolium Extract							
<b>Sel Grain™</b>	27	Sea Salt							
<b>Sensanov™ WR</b>	45	C20-22 Alkyl Phosphate, C20-22 Alcohols							
<b>Sepibless™ Feel</b>	24	Coriandrum Sativum (Coriander) Seed Oil							
<b>Sepicalm™ S WP</b>	21, 23, 24	Sodium Cocoyl Amino Acids, Sarcosine, Potassium Aspartate, Magnesium Aspartate							
<b>Sepicalm™ VG WP</b>	13	Sodium Palmitoyl Proline, Nymphaea Alba Flower Extract							
<b>Sepicap™ MP</b>	28, 30	Sodium Cocoyl Amino Acids, Potassium Dimethicone PEG-7 Panthenyl Phosphate							
<b>Sepicide™ G</b>	30, 57	Glycerin, Ethyl Lauroyl Arginate HCl							

Certifications & approvals legend: see p.64

<b>Sepicide™ HB</b>	57	Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben, Butylparaben		
<b>Sepicide™ LD</b>	57	Phenoxyethanol		
<b>Sepiclear G7™</b>	55	Heptyl Glucoside		
<b>Sepicontrol™ A5</b>	17	Capryloyl Glycine, Sarcosine, Cinnamomum Zeylanicum Bark Extract		<b>MB</b>
<b>Sepifeel™ One</b>	50	Palmitoyl Proline, Magnesium Palmitoyl Glutamate, Sodium Palmitoyl Sarcosinate		<b>MB</b>
<b>Sepigel 305™</b>	36	Polyacrylamide, C13-14 Isoparaffin, Laureth-7		
<b>Sepilife™ G305</b>	35	Acrylamide/Sodium Acryloyldimethyltaurate Copolymer, C15-19 Alkane*, Polyglyceryl-10 Laurate*, Polyglycerin-10* *Plant-based & Renewable		
<b>Sepilife™ Nude</b>	35	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, C15-19 Alkane*, Polyglyceryl-6 Laurate*, Polyglycerin-6* *Plant-based & Renewable		<b>MB</b>
<b>Sepilift™ DPHP</b>	6, 7, 9, 25	Dipalmitoyl Hydroxyproline		<b>MB</b>
<b>Sepimat™ CP 5</b>	51	Methyl Methacrylate Crosspolymer		
<b>Sepimat™ H10 FW</b>	51	Methyl Methacrylate Crosspolymer, Squalane		
<b>Sepimat™ HB V</b>	51	Methyl Methacrylate Crosspolymer		
<b>Sepimat™ P</b>	51	Polymethyl Methacrylate		
<b>Sepimat™ SB</b>	51	Methyl Methacrylate Crosspolymer		
<b>Sepimax Zen™</b>	36	Polyacrylate Crosspolymer-6		
<b>Sepinov™ EMT 10</b>	36	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer		<b>MB</b>
<b>Sepinov™ P88</b>	36	Acrylate/Acryloyldimethyltaurate/Dimethylacrylamide Crosspolymer		<b>MB</b>
<b>Sepinov™ WEO</b>	37	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer		
<b>Sepiplus™ 265</b>	37	Acrylamide/Ammonium Acrylate Copolymer, Polyisobutene, Polysorbate 20		<b>MB</b>
<b>Sepiplus™ 400</b>	37	Polyacrylate-13, Polyisobutene, Polysorbate 20		
<b>Sepiplus™ K</b>	37	Polyacrylate-13, Hydrogenated Polyisobutene, Polyglyceryl-10 Laurate* *Plant-based & Renewable		
<b>Sepiplus™ S</b>	37	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Polyisobutene, PEG-7 Trimethylolpropane Coconut Ether		<b>MB</b>
<b>Sepitonic™ M3.0</b>	8, 9, 10	Magnesium Aspartate, Zinc Gluconate, Copper Gluconate		
<b>Sepiwhite™ MSH</b>	13	Undecylenoyl Phenylalanine		
<b>Sepiwhite™ MSH QD</b>	13	Undecylenoyl Phenylalanine		
<b>Simulgel™ 600</b>	38	Acrylamide/Sodium Acryloyldimethyltaurate Copolymer, Isohexadecane, Polysorbate 80		
<b>Simulgel™ EG</b>	38	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 80		
<b>Simulgel™ EG QD</b>	38	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 80		
<b>Simulgel™ FL</b>	38	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 60		<b>MB</b>
<b>Simulgel™ INS 100</b>	38	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 60		<b>MB</b>
<b>Simulgel™ NS</b>	35	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Squalane*, Polysorbate 60 *Plant-based & Renewable		<b>MB</b>

Certifications & approvals legend: see p.64

<b>Simulgel™ SMS 88</b>	38	Sodium Acrylate/Acryloyldimethyltaurate/Dimethylacrylamide Crosspolymer, Isohexadecane, Polysorbate 60		<b>MB</b>
<b>Simulquat™ HC 305</b>	38	Acrylamidopropyltrimonium Chloride/Acrylates Copolymer, Isohexadecane, Coceth-7		<b>MB</b>
<b>Simulsol™ 1293</b>	56	PEG-40 Hydrogenated Castor Oil		
<b>Simulsol™ 165</b>	45	PEG-100 Stearate, Glycerol Stearate		<b>MB</b>
<b>Simulsol™ 220 TM</b>	56	PEG-200 Glycerol Stearate		<b>MB</b>
<b>Simulsol™ CS Ecailles</b>	45	Ceteareth-33		<b>MB</b>
<b>Solagum™ AX</b>	34	Acacia Senegal Gum, Xanthan Gum		
<b>Solagum™ GM</b>	34	Glucomannan		
<b>Solagum™ TARA</b>	34	Caesalpinia Spinosa Gum		
<b>Spiruline AP</b>	27	Aqua/Water, Butylene Glycol, Spirulina Platensis Extract		
<b>Subligana™</b>	17, 18, 19	Glycerin, Aqua/Water, Harungana Madagascariensis Extract		
<b>Superphyco D™ BG PF</b>	27	Aqua/Water, Butylene Glycol, Fucus Vesiculosus Extract		
<b>Taladvance™</b>	14, 15, 18	Glycerin, Aqua/Water, Centella Asiatica Leaf Extract		
<b>TECA</b>	8, 9, 22, 25	Asiaticoside, Madecassic Acid, Asiatic Acid TECA: Titrated Extract of Centella Asiatica		
<b>Thalassine 2™</b>	6	Aqua/Water, Tripleurospermum Maritimum Extract		
<b>Timecode™</b>	6, 14	Palmitoyl Glycine		<b>MB</b>
<b>Voluform™</b>	6, 7, 11, 25	Palmitoyl Isoleucine		<b>MB</b>
<b>Xylishine™ C</b>	29, 30	Xylitylglucoside, Anhydroxylitol, Maltitol, Xylitol, Pelvetia Canaliculata Extract		

Certifications & approvals legend: see p.64

# Legend

## FUNCTION

 <b>Active Ingredients</b>	 <b>Rheology Modifiers</b>	 <b>Emulsifiers</b>
 <b>Sensory Ingredients</b>	 <b>Functional Additives</b>	

## CERTIFICATIONS & APPROVALS



**CHINA Compliant:**  
all INCI names are listed on the 2021 IECIC list.



**QD Additive:**  
approved as QD additive in Japan.



**NATRUE Approved:**  
raw material approved according to NATRUE Standard.



**COSMOS Approved:**  
raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard.



**MASSBALANCE Certified:**  
supplied under MassBalance certification BVC-RSPO-1-1972708497. Contributes to the production of certified sustainable palm oil.



**VEGAN Suitability:**  
assessed according to Seppic Vegan criteria:

- not manufactured using derived animal raw materials or processing aids,
- does not come into direct contact with material from animal origin at any stage of the manufacturing process,
- is not tested on animals in terms of regulation (EC) No.1223/2009 of the European parliament and of the council of 30 November 2009 on cosmetic products - Chapter V - Art.18.



**HALAL Certified:**  
raw material certified by HCS organism, officially recognized by the highest Halal authorities including MUI (Indonesia), JAKIM (Malaysia), MUIS (Singapore) and CICOT (Thailand).



**NATURALITY Profile:**  
NOC (Natural Origin Content) assessed according to ISO 16128 norm and available upon request.



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